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AN INVENTORY OF STATE  
NATURAL RESOURCES INFORMATION SYSTEMS

Final Report

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## INTRODUCTION

During the last two decades, the availability of computer technologies has increased dramatically. These technologies have enabled state governments to implement improved data processing techniques for administrative and analytical applications. In several states (e.g., Minnesota and Texas), centers have been established to coordinate both automated and non-automated data assembled for use by state agencies and others (Cornwell 1981; Council of State Governments 1978; Mead 1981; and Tessar and Caron 1980). More frequently, however, the automation of data has been fragmented and limited in scope. Typically, computerized data repositories have been created by agency staff to meet short term needs, to improve manageability of complex files, and/or to assist in the day-to-day operations of a particular office.

Because of the highly fragmented nature of natural resources data, the data have been difficult to access. Armentano and Loucks (1979) described ecological and environmental data as "under-utilized natural resources," and speculated that the rapid emergence of much uncoordinated data gathering outstripped the ability of technical and policy staffs to keep aware of program output. They concluded that "the lack of a comprehensive clearing-house activity for environmental data has led to situations where data bases of value to many potential users go unrecognized and therefore unused."

The inventory of state and sub-state natural resources data bases described in this paper provides a single comprehensive compilation of information sources for the entire United States. The goal is to improve access to existing data and to identify the many differing and unique data collection and analysis techniques utilized by the states, resulting in increased opportunities for information-sharing.

## OBJECTIVES AND SCOPE

The primary objectives of this project were to locate, identify, characterize and document computer-based natural resources data bases maintained by agencies of state government in the U.S. The study focused on systems or data bases containing natural resources and related data and having geographic coverage that was statewide or regional in extent. These systems typically included data on phenomena such as climate, energy, environmental quality, geology, hydrology, land use/land cover, soils, topography, vege-

tation and wildlife. An attempt was also made to document data bases which contain socio-economic data, provided the data are collected and managed by a state or sub-state level of government and not by a federal office.

Specific data elements collected for each data base identified included:

- Data base/information system name and agency identification;
- Contacts (e.g., names, addresses, telephone numbers);
- Data type(s) included;
- Data format (e.g., classification scheme, resolution or scale);
- Geographic coverage;
- Accuracy/reliability, if known;
- Updating frequency/currency;
- Data sources;
- Availability of data base to non-agency users;
- Security restrictions, if any;
- Hardware/software support; and
- Available documentation of the system or data base.

For purposes of this study, a *data base* is defined as any collection of data containing relationships between various data items. An *information system* describes a comprehensive, integrated system incorporating one or more data bases and/or a linked network system which is accessible to state agencies and others. Information or data resources are joined together in both a formal and informal manner to support the decision-making process.

The term *natural resources information system (NRIS)* describes a system which is developed chiefly to support planning and management of environmental and natural resources. Such a system is sometimes operated by one state agency or designated coordinating center on behalf of several agencies, and may serve as a clearinghouse for both automated and non-automated information.

A *geographic information system (GIS)* is a system in which all data are spatially referenced in order that multiple themes of data can be registered and analyzed in concert. A major output product is a map upon which one or more data types are portrayed. Natural resources information systems often, but not always, possess components which permit GIS operations. Some of the data bases identified in this study are formatted as geographic information systems, but many are not.

This study focused on data bases and information systems developed and maintained by state agencies. Cooperative efforts between state and federal agencies, or state agencies and universities, were not dealt with directly, but were documented when identified.

### METHODOLOGY

The inventory of state data bases was conducted for all 50 states, Puerto Rico and the U.S. Virgin Islands. The strategy for acquiring information about natural resources or related data bases involved:

- 1) Identification of contacts in each state/territory;
- 2) Distribution of a preliminary synoptic questionnaire for data bases identified by state contacts; and
- 3) Design and distribution of a detailed follow-up survey for all relevant data bases identified.

All information regarding automated data bases and systems identified in this study is assembled into a computerized Master Data Base Catalog at the University of Kansas Applied Remote Sensing Program. This data base facilitates cost-effective storage, analysis, manipulation, retrieval and dissemination of data collected.

The Master Data Base Catalog is thoroughly cross-referenced so that the system can be queried for different types of information. For example, it is possible to retrieve data by state, data category, data base, data base acronym, and computer vendor/model.

#### Identification of Contacts

Individuals were contacted in the 50 states, Puerto Rico and the U.S. Virgin Islands, and asked to provide information regarding natural resources data bases in their respective states of which they were aware. These contacts were identified via personal knowledge, referral to lists of conference participants published in the proceedings of recent meetings relevant to this effort, and review of publications relating to statewide information systems (for example, Cornwell 1981; Mead 1981; Tessar and Caron 1980). Letters of inquiry were also sent to heads of natural resources agencies in the states.

Each person contacted was asked to refer other state agency personnel responsible for managing automated repositories. In this way, efforts could be focused on individuals recognized by colleagues as being most likely to provide information regarding additional repositories in their state.

### Distribution of Preliminary Questionnaires

Preliminary questionnaires were mailed to each state contact, in order to acquire synoptic information about any data bases managed by his/her agency (Appendix 1). Details requested in this questionnaire included:

- Contact name, title, agency, address and telephone number
- Name of repository
- Subject matter included
- Geographic coverage
- Date repository was initiated, and date last updated
- Is documentation available?
- Is the repository automated?
- If automated:
  - Where are computer facilities maintained?
  - Programming language(s) of on-line system
  - Is the agency willing to share data with other agencies through an on-line communications link?

This questionnaire accomplished several objectives:

- 1) It served to quickly characterize state and sub-state data bases without requiring a great deal of time or effort by the respondent.
- 2) It established whether a data bases was automated or manual. (Non-automated data bases were identified if they were being considered for automation in the near future.)
- 3) It provided a quick overview of the data base.
- 4) It provided a means to acquire existing documentation of the data base.
- 5) It served as a mechanism for notifying the states of the inventory, and for soliciting referrals to other individuals in the state who would be able to provide information on additional data bases.

### Follow-up Surveys

The design of the follow-up survey took into consideration the tremendous variety of data bases and information systems existing in the states, and reduced these into their basic components--i.e., the data--which could then be addressed through a single questionnaire. This approach served to provide a common framework for all data bases, regardless of their size or the variety of data contained within them.

To acquire the desired information regarding each data base, the follow-up survey was divided into two parts. Part I addressed computer facilities available to the state agency, i.e., how and where the data are automated. The computer facilities were characterized on the basis of institutional considerations, hardware, software, and peripheral devices available.

Questions in Part II of the survey sought to describe attributes of each major data category independently of other data categories. In this way, important variations in the ways in which different types of data are (for example) geographically referenced or stored could be documented.

Once designed, the survey was reviewed, evaluated and revised based upon the comments of state participators in three states, as well as other individuals working with data bases in university settings. Elements characterized in the follow-up survey are described below. A sample follow-up survey form is included in Appendix 2.

Survey respondents were asked to provide the following information about their computer facilities (Part I)\*:

- 1) Computer vendor and model (for all computers utilized)
- 2) Location (residence) of computer facilities
- 3) Mode of operation (i.e., batch and/or interactive)
- 4) Is the system a geographic information system?
- 5) Description of facilities maintained in-house
  - a) Operating system for in-house computer(s)
  - b) System capacity (main memory, disc storage, simultaneous users supported)
  - c) Programming languages used
  - d) Specialized software available (e.g., image processing or data base management packages)
  - e) Peripheral devices (e.g., displays, digitizers, hard-copy graphics/terminals)

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\*Note that respondents were asked to describe all of their computer facilities one time only, regardless of the number of data bases under their management. Consequently, if a respondent manages several data bases and has access to more than one computer, it is not possible to associate each data base with a specific computer system. This situation occurred infrequently, however.

Respondents were also asked to provide written documentation of the data base or information system, if available, and to identify user fees policies, if established.

In Part II of the survey, respondents were asked to identify major data categories contained within each data base identified, and to list specific types of data contained within each category. A summary of data categories most often identified is contained in Table 1. Respondents were asked to provide the following details for each data category:

- 1) Geographic coverage
- 2) Geographic reference (e.g., Public Land Survey, Universal Transverse Mercator)
- 3) Resolution - minimum level to which the data are aggregated
- 4) Data storage format (e.g., grid, polygon)
- 5) Output products available (e.g., statistical summaries, composite mapping)
- 6) Primary/secondary data - are the source data primary (i.e., collected by agency staff or by someone on its behalf), secondary (i.e., collected by another agency), or a combination of both?
- 7) Data sources - if the data are primary, how were they obtained (e.g., field survey, air photo interpretation)?
- 8) Reliability - a subjective assessment of the reliability of the data, taking into account collection methods, resolution, and other variables, prior to data base entry
- 9) Updating frequency - how often are the source data updated? When were they last updated?
- 10) Confidentiality - are any of the data in this category subject to restricted access?
- 11) Classification scheme employed, if applicable (e.g., Anderson's classification for land cover derived from remote sensing data; or National Wetlands Classification)
- 12) Are any of the data in this category routinely supplied to a repository of a federal agency (e.g., USGS/NAWDEX, EPA/STORET)?

TABLE 1.

The inventory of natural resources data bases focused on systems containing information on these natural/environmental resources and associated data.

NATURAL RESOURCES AND RELATED DATA

Agriculture	Forestry	Recreation
Base Data	Geology	Socio-economic Data
Climate/Weather	Groundwater	Soils Data
Coastal/Marine Resources	Land Use/Land Cover	Surface Water
Cultural Resources	Natural Diversity Elements/	Topography
Demography	Natural Areas	Transportation
Energy	Natural Disasters/Hazards	Vegetation
Environmental Quality	Ownership	Wildlife
Fisheries		



## MASTER DATA BASE CATALOG

The Master Data Base Catalog contains a detailed description of all automated data bases and information systems identified during the course of this study. Each data base in the catalog has been entered into a Zenith Z-100 Desktop Computer System, using Z-BASIC version 1.00 software with the Z-DOS operating system.

Four separate programs were developed by KARS Program staff to enable data entry, output, indexing and retrieval. These programs are described below.

### IN-OUT

This program enables an operator to enter and print data base descriptions. The data entry portion of the program consists of a series of prompts regarding details acquired for each data base, as outlined below.

CODE:	A unique identification code is assigned to every data base or information system. This code consists of a two-character state abbreviation, a three-digit respondent number, followed by a hyphen and a two-digit data base number. For example, the second data base identified by respondent #1 in Arizona is denoted as AZ001-01.
STATE:	State names are entered by the standard two-character abbreviation (see Appendix 3).
DATA BASE NAME:	(As provided)
DATA BASE ACRONYM:	(As provided)
SUBJECT COVERAGE:	Summary of data categories contained within the data base
GEOGRAPHIC COVERAGE:	A generalized description of geographic coverage for all data categories (e.g., the northeastern portion of the state)
STATUS:	Information regarding systems that are under development, or that are recognized as state systems responsible for coordinating data among state agencies
AGENCY:	The name of the agency maintaining the data base, preceded by its two-character state name abbreviation (e.g., AZ State Land Department)

RESPONDENT: The respondent's name, title, complete address and telephone number

OTHER CONTACTS: Other individuals who can be contacted for information, including addresses and telephone numbers, if different from the respondent's

COMPUTER FACILITIES

COMPUTER(S): The vendor and model number for each computer utilized by the agency

RESIDENCE: Location(s) of the computer systems utilized by the agency (e.g., in-house, Central Data Processing)

OPERATION: Information regarding whether the system is operated in batch and/or interactive mode

GIS CAPABILITY: Information as to whether the system is a geographic information system (GIS) or has a GIS component.

IN-HOUSE FACILITIES

OPERATING

SYSTEM: Operating system for the in-house computer(s)

SYSTEM

CAPACITY: Main memory, computer storage, and simultaneous users supported by the system

LANGUAGE(S): Computer languages utilized on the in-house computer(s)

SPECIALIZED

SOFTWARE: Software designed for special functions (e.g., digital image processing software, graphics/plotting software)

PERIPHERAL

DEVICES: Description of any output devices utilized by the agency

DESCRIPTION OF DATA CATEGORIES\*

*Respondents were asked to identify major data categories contained within the data base, and to provide the following details for each category.*

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\*A loop in the IN-OUT program enables data entry for multiple data categories.

## DATA CATEGORY

NAME: Major data category contained in the data base, including a summary of data types within the data category

## GEOGRAPHIC

COVERAGE: The extent of geographic coverage for the particular data category identified as precisely as possible

## GEOGRAPHIC

REFERENCE: Methods for referencing the data within the system (e.g., Public Land Survey, Universal Transverse Mercator)

## MINIMUM

RESOLUTION: The resolution at which the data have been entered into the data base (e.g., site specific, by county)

## DATA STORAGE

FORMAT: Information regarding the method of data entry and storage (e.g, polygonal, grid-cell)

OUTPUT PRODUCTS: The most frequent products produced from the data base for this data category (e.g., computer printouts, maps - 1:24,000-scale only)

DATA SOURCES: Primary and/or secondary

## UPDATE

FREQUENCY: The frequency with which the *source* data are updated, and date of last update

CONFIDENTIALITY: Are the data subject to restricted access?

CLASSIFICATION: Special schemes utilized for classifying data (e.g., National Wetlands Classification)

COMMENTS: Remarks addressing whether the data are routinely supplied to a federal repository are noted here, as well as any other comments made by the respondent for this particular data category

DOCUMENTATION: List of documentation available for the data base

USER FEE POLICY: Charges to users for accessing the data base, if applicable

Editing of the data base descriptions is accomplished using WORDSTAR, a word processing software package developed by MicroPro International Corporation.

The output portion of the program enables the operator to either display a data base description directly onto the CRT screen of the Zenith Z-100 microcomputer, or to print the description to a Brother HR-1 printer.

### INITIAL

The purpose of this program is to initialize the index files, which include (1) keyword files, (2) counter file and (3) data base list file (i.e., a file of the CODE designations uniquely identifying each data base). The program also sorts the data base list file alphabetically and according to diskette number sequence, in order to facilitate the index generation process described below. In this program, data base code identification numbers and diskette numbers can be revised if they had been entered incorrectly, enabling some limited editing on the data base list file.

### INDEX

This program creates keyword-index files which are required for retrieval of "key data." In the program, keywords are picked up, data base by data base, and stored in individual key files according to a key number. After running the program, a two-way linkage between data bases and the keywords related to those data bases is built. This two-way linkage enables users to retrieve data bases by keyword, or to retrieve keywords by data base. Refer to the discussion of the RETRIEVE program for additional information about the purpose of the INDEX program.

### RETRIEVE

Once the index files have been built, the data can be easily manipulated. The purpose of the RETRIEVE program is to fetch information from the data bank created by the INDEX program. This program can retrieve the information and print it out alphabetically. Therefore, data entry errors (e.g., typographical), can be quickly identified.

The RETRIEVE program operates in two basic modes. The first is "single keyword set mode," which allows the user to retrieve data bases that have specific keywords. The second is the "statistical mode," in which statistics for the entire data bank can be retrieved and printed according to different key levels.

Keywords can be retrieved for 14 different attributes of the data bases:

- 1) Code
- 2) State
- 3) Data base name
- 4) Data base acronym
- 5) Agency
- 6) Respondent's last name
- 7) Computer vendor and model
- 8) GIS capability
- 9) Language(s)
- 10) Specialized software
- 11) Data category name
- 12) Geographic reference
- 13) Data sources
- 14) Level of reliability

Items 12, 13 and 14 were included so that summary statistics could be easily generated regarding geographic reference schemes most commonly used, data sources and level of reliability. Note that information for these three items is retrieved for each data category.

Data can be retrieved from as many as five keyword files simultaneously. For example, if an individual requests information regarding land use/land cover information available for the State of Arizona, information would be retrieved on the keyword files for (1) state (Arizona) and (2) data category (land use/land cover). The result of this search is as follows:

STATE: AZ

DATA CATEGORY NAME: Land cover

*Solution:*

Data Base Code:

AZ001-01

If information is desired about state agencies that are utilizing a PRIME 550 computer, a search on "computers" would provide the following information:

COMPUTER(S): PRIME 550

*Solutions:*

Data Base Code:

AZ001-01	MD001-01
AZ001-02	MD001-02
AZ001-03	MD001-03
AZ001-04	PR004-01
IA002-01	WA002-01
IL008-01	

A search for data bases having a GIS capability, and containing soils data referenced by latitude/longitude, would provide the following:

GIS CAPABILITY	:	Yes
DATA CATEGORY NAME	:	Soils data
GEOGRAPHIC REFERENCE:		Latitude/longitude

*Solutions:*

Data Base Codes:

CO002-01  
IL005-01  
IN001-01  
KY001-01  
MS001-03  
NC007-01  
NM001-01  
NM002-01  
OK004-01  
WA004-01

The result of a search for data bases containing information on "wildlife" identifies 45 data bases:

DATA CATEGORY NAME: Wildlife

*Solutions:*

Data Base Code:

AK002-01	MO002-01
AK002-02	MS001-04
AK002-03	MS001-05
AK003-01	MS001-06
AL003-01	MS001-09
AZ003-01	MS002-02
CO001-01	NC003-01
CO002-01	NC007-01
FLO04-01	NM001-01
ID001-05	NM002-01
IL005-01	NV001-01
IN001-01	NY001-01
KS001-01	NY002-01
KS014-03	NY004-01
KS014-04	OR001-01
KS014-05	PA001-01
KS014-06	PA009-01
KS014-07	UT001-01
MA001-01	WA002-01
MD001-01	WI009-01
MO001-01	WV001-01
MO001-02	WY001-01
MO001-03	

RESULTS AND CONCLUSIONS

More than 600 individuals were contacted in the 50 states, Puerto Rico and the U.S. Virgin Islands, and asked for information regarding automated natural resources data bases in their respective state/territory. Although there is no means by which to ascertain the completeness of this inventory

of data bases, we feel that a substantial inroad has been made toward the documentation of significant state data bases throughout the country. Descriptions of 324 data bases are included in Appendix 4.

#### Summary of Findings

Using the INDEX program described in the previous section, keywords were extracted from the data base catalog (i.e., the descriptions of data bases) and stored in 14 key files (e.g., CODE, DATA BASE NAME, COMPUTER). The RETRIEVE program was then used in "single keyword set mode" so that the results of the extraction are linked to data base CODES. These results are summarized below. For a complete printout of each key file, refer to Appendix 5.

- CODE - The first key file stores all unique code identification numbers for all data bases documented in this study. This file provides the linkage for data retrieval in "single keyword set mode" from any of the other 13 key files. Three hundred and twenty-four natural resources data bases were cataloged in this study (Appendix 5, Key File #1).
- STATE - The number of data bases identified during this study is summarized, by state, in Table 2 (see also Appendix 5, Key File #2).
- DATA BASE NAME - Data base names were indexed for all data bases documented, and have been retrieved alphabetically (Appendix 5, Key File #3). For a comprehensive summary of all data bases, by state, agency, and code, see also Appendix 6.
- DATA BASE ACRONYM - This file lists all data base acronyms alphabetically (Appendix 5, Key File #4).
- AGENCY - Information can also be retrieved on the basis of state agency name. In this study, all agency names have been preceded by their two-digit state abbreviations (where appropriate), to facilitate searches of the keyword files (Appendix 5, Key File #5).
- RESPONDENT - Key File #6 contains a list of the respondents' last names. This is a particularly useful key file, because it enables rapid identification of all data bases described by a particular individual (Appendix 5, Key File #6).
- COMPUTER - The key file on computers is one of the most important files produced by the INDEX program. Information on computer vendors/models is particularly useful to anyone contemplating development of a new data base/information system, as it is helpful to



TABLE 2.

Summary of data bases identified in the 50 states, Puerto Rico and the U.S. Virgin Islands. Three hundred and twenty-four natural resources and related data bases were documented.

<u>STATE</u>	<u>NO. OF DATA BASES IDENTIFIED</u>	<u>STATE</u>	<u>NO. OF DATA BASES IDENTIFIED</u>
Alabama	3	Nebraska	2
Alaska	5	Nevada	1
Arizona	6	New Hampshire	0
Arkansas	1	New Jersey	14
California	7	New Mexico	3
Colorado	4	New York	5
Connecticut	3	North Carolina	10
Delaware	2	North Dakota	3
Florida	4	Ohio	2
Georgia	0	Oklahoma	14
Hawaii	8	Oregon	12
Idaho	11	Pennsylvania	28
Illinois	13	Puerto Rico	4
Indiana	3	Rhode Island	2
Iowa	2	South Carolina	2
Kansas	30	South Dakota	4
Kentucky	2	Tennessee	5
Louisiana	3	Texas	2
Maine	2	Utah	1
Maryland	4	Vermont	3
Massachusetts	4	Virginia	20
Michigan	3	Virgin Islands	0
Minnesota	5	Washington	15
Mississippi	15	West Virginia	1
Missouri	7	Wisconsin	16
Montana	6	Wyoming	2

speak to others about potential implementation problems that might be encountered when installing the system. A summary of computers most frequently documented in this study is contained in Table 3. For a complete listing of computers, refer to Appendix 5, Key File #7.

- GIS CAPABILITY - Geographic information systems provide unique tools to users, enabling them to register and analyze multiple themes of data in concert. Although these systems are becoming more common throughout the country, state agencies have (more often than not) had limited resources to develop GIS capabilities. Key File #8 identifies those systems that have these spatial data analysis capabilities (Appendix 5, Key File #8). Approximately 47% of all respondents replied that their systems have full or partial GIS capabilities.
- LANGUAGE - It is often essential to know which programming languages are being used on a particular computer system or with certain software. Programming languages are listed by CODE in Appendix 5, Key File #9.
- SPECIALIZED SOFTWARE - Individuals interested in acquiring a particular software package often find it useful to talk to others that have installed and used the package. This information is particularly useful when retrieved in conjunction with COMPUTER and LANGUAGE. A list of specialized software is contained in Appendix 5, Key File #10.
- DATA CATEGORY NAME - Major data categories in each data base were specified by the respondents, and standardized through the editing process to enable more efficient retrieval of this information. Some 86 data categories were identified for the 324 data bases documented in this study. Table 4 contains a summary of the number of data bases documented for the most frequently identified data categories. A complete list of data category names is included in Appendix 5, Key File #11.
- GEOGRAPHIC REFERENCE - Key File #12 was created primarily so that summary statistics could be generated regarding the most frequently used reference schemes used by the states. GEOGRAPHIC REFERENCE is an attribute of each data category and, consequently, more than one scheme may be used in a single data base. The most frequently

TABLE 3.

Summary of computers most frequently utilized in the states. (For a complete list of all computers identified in this study, refer to Appendix 5, File #7.)

<u>Computer vendor/model</u>	<u>Number of data bases</u>
ALTAIR	6
AMDAHL 470/V6	11
APPLE II	20
BURROUGHS B-6700	13
CDC CYBER 175	5
CDC CYBER 194	6
CDC CYBER 195	6
DEC PDP 11/34	14
DEC PDP 11/70	7
DG ECLIPSE MV8000	20
DG ECLIPSE S/130	7
ECS 4500	8
HONEYWELL DPS E/3	14
HONEYWELL Level 6	5
HP3000 Model 44	5
IBM 3033	31
IBM 3033N	5
IBM 3081	14
IBM 3081D	8
IBM 370	16
IBM 370/158	7
IBM 4341	11
IBM 8100	7
IBM PC	16
IMSAI	6
PRIME 550	11
PRIME 750	6
PRIME 850	6
UNIVAC 1100/80	20

TABLE 4.

Number of automated data bases containing information on select data categories. Note that this table summarizes major data categories *as specified by the state respondents*. Consequently, the data contained in a data base developed primarily for agricultural applications may have been identified as "land use/land cover" by the respondent, rather than as "agricultural" data.

<u>MAJOR DATA CATEGORY</u>	<u># OF DATA BASES IDENTIFIED</u>
Agriculture	12 (11 states)
Base Data	14 (12 states)
Boundaries	19 (14 states)
Climate/Weather	21 (16 states)
Cultural Resources	6 ( 6 states)
Demography	23 (18 states)
Energy	21 (10 states)
Environmental Quality	28 (18 states)
Fisheries	11 ( 5 states)
Forestry	26 (10 states)
Geology	39 (22 states)
Groundwater	35 (21 states)
Land Cover	17 (15 states)
Land Use	9 ( 7 states)
Land Use/Land Cover	28 (21 states)
Natural Diversity Elements	31 (29 states)
Recreation	16 (12 states)
Socio-economic Data	7 ( 7 states)
Soils Data	30 (22 states)
Surface Water	54 (27 states)
Topography	19 (16 states)
Transportation	8 ( 8 states)
Vegetation	21 (19 states)
Wildlife	45 (24 states)

utilized geographic reference systems include, in order of use, latitude/longitude, Public Land Survey, Universal Transverse Mercator and State Plane Coordinates (Appendix 5, Key File #12).

- DATA SOURCES - This file was also created primarily for developing summary statistics. Information retrieved concerns whether the data are primary (i.e., collected by the agency or on its behalf), secondary (i.e., collected by another agency), or both. In this study, 36% of all data categories for which data sources were identified utilized primary data, 23% utilized secondary data, and 41% were comprised of both primary and secondary data (Appendix 5, Key File #13).
- LEVEL OF RELIABILITY - Respondents were asked to provide a subjective evaluation of the reliability of each data category they identified. Approximately 43% of the data categories for which an evaluation was given were described as being highly reliable, 37% as moderately reliable, and 4% as being of low reliability. The remaining sixteen percent were designated as "unknown" or "variable" (Appendix 5, Key File #14).

#### Significant State Data Bases

Sixteen "significant" data bases have been identified during the course of this study (i.e., data bases that represent focal points within the states). These data bases provide a variety of capabilities ranging from data coordinating centers with natural resources information systems, to data coordinating centers without a well-developed natural resources information system, to in-house capabilities (usually including a geographic information system) which have been made available to other state agencies for use, to superagencies with facilities intended to serve its many divisions. These data bases/information systems are detailed below.

#### ALABAMA

Data base name:	Alabama Resource Information System (ARIS)
Managing agency:	Alabama Department of Economic and Community Affairs
Scope:	Focus on in-house activities
Computer facilities	
Computer:	HP 3000 Model 44 (in-house)
GIS capability:	Yes
CODE:	AL001-01

### ALASKA

Data base name: Alaska Land and Resource System (ALARS)  
Managing agency: Alaska Department of Natural Resources  
Scope: Superagency responsible for planning, managing  
and allocating natural resource use on lands  
owned by the State of Alaska

Computer facilities

Computers: DEC VAX 11/780 (in-house)  
DATA GENERAL MV8000 (in-house)  
IBM 3031/IBM 4341 (Department of Administration/  
Anchorage Data Center)

GIS capability: Yes

CODE: AK001-01

### ARIZONA

Data base name: Arizona Land Resource Information System (ALRIS)  
Managing agency: Arizona State Land Department  
Scope: Focus on in-house activities; capabilities avail-  
able to other state agencies

Computer facilities

Computer: PRIME 550

GIS capability: Yes

CODE: AZ001-04

### HAWAII

Data base name: Hawaii Planning Activities Support System  
(H-PASS)

Managing agency: Hawaii Department of Planning and Economic  
Development

Scope: Focus on integrating permit information per-  
taining to coastal planning and land use for nine  
state and county agencies; under development

Computer facilities

Computers: WANG 2200VS (in-house)  
IBM 370/158 (University of Hawaii)  
GIS capability: Partial  
CODE: HI002-02

ILLINOIS

Data base name: Illinois Lands Unsuitable for Mining Information System  
Managing agency: Illinois Natural History Survey  
Scope: Focus on Lands Unsuitable for Mining Program, with support provided by five Illinois agencies; under development  
Computer facilities  
Computers: PRIME 750 (in-house)  
IBM 4341 (University of Illinois)  
CDC CYBER 175 (University of Illinois)  
GIS capability: Yes  
CODE: IL005-01

KENTUCKY

Data base name: Kentucky Natural Resources Information System (KNRIS)  
Managing agency: Kentucky Natural Resources and Environmental Protection Cabinet  
Scope: Initiated to support the Kentucky Lands Unsuitable for Mining Program, and has been expanded for other natural resource planning applications  
Computer facilities  
Computer: PRIME 750 (in-house)  
GIS capability: Yes  
CODE: KY001-01

### MARYLAND

Data base name: Maryland Automated Geographic Information System  
(MAGI)  
Managing agency: Maryland Department of State Planning  
Scope: Focus on in-house activities  
Computer facilities  
    Computers: UNIVAC 1100/82 (University of Maryland)  
                PRIME 550 (University of Maryland)  
                APPLE II (University of Maryland)  
    GIS capability: Yes  
CODE: MD001-01

### MINNESOTA

Data base name: Minnesota Land Management Information System  
(MLMIS)  
Managing agency: Minnesota State Planning Agency  
Scope: Statewide information system/coordinating center  
Computer facilities  
    Computer: PRIME 850 (in-house)  
    GIS capability: Yes  
CODE: MN001-01

### MISSISSIPPI

Data base name: Mississippi Automated Resource Information System  
(MARIS)/Mississippi State Data Base  
Managing agency: Mississippi Research and Development Center  
Scope: Statewide information system/coordinating center  
Computer facilities  
    Computer: ERDAS System (in-house)  
    GIS capability: Yes  
CODES: MS002-01 and MS002-02



### NEBRASKA

Data base name: Nebraska Natural Resources Information System  
Data Bank (NNRIS)  
Managing agency: Nebraska Natural Resources Commission  
Scope: Coordinates Nebraska Natural Resources Districts;  
focused on in-house activities  
Computer facilities  
Computer: IBM 370/158 (University of Nebraska - Lincoln)  
GIS capability: No  
CODE: NE001-01

### NEW MEXICO

Data base name: New Mexico Natural Resources Information System  
(NRIS)  
Managing agencies: New Mexico Natural Resources Department (NRD) and  
The Technology Application Center (TAC) - University of New Mexico  
Scope: Statewide information system; under development  
(NRD handles site specific information, while TAC deals with regional data)  
Computer facilities  
Computers: AMDAHL 470/V6 (NRD)  
HP 3000 (NRD)  
DEC VAX 11/750 (TAC)  
GIS capability: Yes  
CODES: NM001-01 and NM002-01

### NORTH CAROLINA

Data base name: North Carolina Land Resources Information Service  
(LRIS) Geographic Information System  
Managing agency: North Carolina Department of Natural Resources  
and Community Development  
Scope: Statewide information system/coordinating center  
Computer facilities  
Computer: DG ECLIPSE S/230 (in-house)  
GIS capability: Yes  
CODE: NC007-01

### OHIO

Data base name: Ohio Capability Analysis Program (OCAP)  
Managing agency: Ohio Department of Natural Resources  
Scope: Focus is at the county level, special project areas  
Computer facilities  
    Computer: IBM 370 (Ohio Department of Administrative Services, Computer and Information Systems)  
    GIS capability: Yes  
CODE: OH001-01

### TEXAS

Data base name: Texas Natural Resources Information System (TNRIS)  
Managing agency: Texas Department of Water Resources  
Scope: Statewide information system/coordinating center  
Computer facilities  
    Computer: UNIVAC 1100/62 (in-house)  
              INTERDATA 7/32  
    GIS capability: Yes  
CODE: TX001-01 and TX001-02

### UTAH

Data base name: Automated Geographic Reference (AGR)  
Managing agency: Utah Department of Natural Resources and Energy  
Scope: Focus on in-house activities  
Computer facilities  
    Computer: AMDAHL V8 (State Information Systems Center)  
    GIS capability: Yes  
CODE: UT001-01

### VIRGINIA

Data base name: Commonwealth Data Base (CDB)  
Managing agency: Virginia Department of Taxation  
Scope: Coordinating center; statewide GIS under development at Virginia Polytechnic Institute and State

## Computer facilities

Computer: Contract with VPI and Virginia Institute of  
Marine Science/College of William and Mary  
(VIMS/W&M)

CODE: VA014-01

## Conclusions

Several findings emerged throughout the course of this study. These are discussed in the remainder of this report.

(1) Automated data bases in the states tend to be highly fragmented.

It is clear that data resources in the states are, for the most part, highly fragmented. Those states which have adopted data coordinating centers (e.g., Texas, Minnesota) have been able to overcome many of the problems inherent in such fragmentation--i.e., increased difficulty in data sharing--by serving as focal points for coordinating data resources. Many other states are currently investigating compatible methods of providing and sharing natural resources data between agencies.

It is important to point out that, in most cases, data coordination between state agencies and others is taking place in a decentralized fashion. In these cases, each agency is responsible for developing and maintaining its own data bases; data coordination is accomplished through a task force, committee, or some other focal point. The concept of decentralized data combined with increased coordination between all agencies involved appears to be gaining widespread support among both data generators and data users. The key to the success of coordinating diverse types of data resources so that they are accessible to many users is the leadership provided by some focal point. Several states have initiated discussions to improve data coordination and sharing, including Arizona, Kansas, Oregon, Pennsylvania and others.

(2) The inventory of state data bases should be periodically updated.

Data bases are constantly being developed and updated, and occasionally are being replaced or terminated. The increased availability of computer technologies and powerful analytical and display capabilities has produced an environment in which data processing functions become increasingly sophisticated. These

capabilities, coupled with ever-changing political/institutional arrangements, affect data processing activities in various ways. For example, new data bases are routinely being developed to meet the growing needs of the states for planning, management and regulation of their resources. Existing data bases need to be upgraded in order to take advantage of improved hardware and software. In order to monitor the growth of data processing in the states, it is necessary to conduct periodic updates of the data base descriptions contained in this document, and to identify and document new data bases being implemented in the states.

- (3) Data bases developed and maintained by universities and private industries need to be inventoried and documented. The focus of this study was on data bases developed and maintained by state agencies. It is apparent, however, that data bases frequently result from cooperative efforts between state agencies and universities, and sometimes between state agencies and private entities. Such cooperative efforts represent significant sources of data and clearly need to be cataloged. Similarly, many private industries (e.g., power companies) have implemented very sophisticated data bases in order to assist in the development of environmental impact statements, and to enable identification of cost-effective alternatives (e.g., siting, corridor analysis). These also should be documented.
- (4) The state agencies are willing to share data. State respondents nearly unanimously agreed that their agencies would be willing to share data through on-line communications links. However, the majority of these respondents indicated that their agencies did not now have the facilities to accommodate potential users, but would be willing to discuss alternatives for making the data available to others in an on-line mode. Agencies not willing to share data were, by and large, those which hold "sensitive" data subject to restricted access, or which were concerned about unauthorized access.

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Appendix 1  
PRELIMINARY QUESTIONNAIRE

# INVENTORY OF STATE AND SUB-STATE REPOSITORIES

Please complete one form for each repository and return to:

Loyola M. Caron  
Kansas Applied Remote Sensing (KARS) Program  
University of Kansas Space Technology Center  
2291 Irving Hill Drive  
Lawrence, Kansas 66045

Telephone: (913) 864-4775

## GENERAL INFORMATION NEEDS

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>• Soils Data (Other than that collected by SCS)               <ul style="list-style-type: none"> <li>- Location description</li> <li>- Capabilities</li> <li>- Erosion levels</li> <li>- Conservation measures</li> </ul> </li> <li>• Flora/Fauna               <ul style="list-style-type: none"> <li>- Location</li> <li>- Species</li> <li>- Habitat</li> <li>- Threatened or endangered species</li> <li>- Wetlands (location, size, classification)</li> </ul> </li> <li>• Forests/Privatey-Owned               <ul style="list-style-type: none"> <li>- Location</li> <li>- Species</li> <li>- Size</li> <li>- Production</li> <li>- Erosion</li> </ul> </li> <li>• Rangeland               <ul style="list-style-type: none"> <li>- Location</li> <li>- Species</li> <li>- Condition</li> <li>- Yield</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Cropland               <ul style="list-style-type: none"> <li>- Crop yields</li> <li>- Costs</li> <li>- Conservation measures</li> </ul> </li> <li>• Land Use Changes               <ul style="list-style-type: none"> <li>- Location</li> <li>- Extent, type</li> <li>- Trends</li> </ul> </li> <li>• Surface Water               <ul style="list-style-type: none"> <li>- Location</li> <li>- Levels/Flows</li> <li>- Quality</li> <li>- Runoff</li> <li>- Supply and storage</li> </ul> </li> <li>• Groundwater               <ul style="list-style-type: none"> <li>- Location</li> <li>- Aquifer</li> <li>- Water availability</li> <li>- Quality</li> <li>- Supply and storage</li> </ul> </li> <li>• Marine Estuarial Data               <ul style="list-style-type: none"> <li>- Location</li> <li>- Species</li> <li>- Habitat</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Geological Features               <ul style="list-style-type: none"> <li>- Surface</li> <li>- Subsurface</li> <li>- Exploration/extraction</li> </ul> </li> <li>• Terrain/Topography               <ul style="list-style-type: none"> <li>- Floodplain/Flood prone</li> <li>- Slope/aspect</li> </ul> </li> <li>• Climatological Data               <ul style="list-style-type: none"> <li>- Temperature</li> <li>- Precipitation</li> <li>- Wind data</li> <li>- Evapotranspiration</li> <li>- Radiation</li> </ul> </li> <li>• Demography               <ul style="list-style-type: none"> <li>- Social aspects</li> <li>- Economic aspects</li> </ul> </li> <li>• Natural/Manmade Disasters               <ul style="list-style-type: none"> <li>- Location</li> <li>- Type</li> <li>- Extent</li> </ul> </li> </ul> |
|--|---|--|

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

AGENCY: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

1. NAME OF REPOSITORY: \_\_\_\_\_

2. SUBJECT MATTER INCLUDED: \_\_\_\_\_

(OVER)



3. GEOGRAPHIC COVERAGE: \_\_\_\_\_
4. WHEN WAS REPOSITORY INITIATED? \_\_\_\_\_ (year)  
WHEN WAS IT LAST UPDATED? \_\_\_\_\_ (month/year)
5. IS WRITTEN INFORMATION AVAILABLE?  
YES ☐ NO ☐ (Please send if available)
6. THE REPOSITORY IS: AUTOMATED ☐ NONAUTOMATED ☐
7. IF AUTOMATED, THE COMPUTER IS MAINTAINED:  
☐ In-house (stand-alone computer system)  
☐ At a state data coordinating center (Name: \_\_\_\_\_)  
\_\_\_\_\_  
☐ At a university (Name: \_\_\_\_\_)  
☐ Other (Please specify: \_\_\_\_\_)
8. IF AUTOMATED, PLEASE IDENTIFY:  
COMPUTER VENDOR, MODEL: \_\_\_\_\_  
PROGRAMMING LANGUAGE(S) OF ON-LINE SYSTEM: \_\_\_\_\_  
\_\_\_\_\_
9. IF AUTOMATED, DOES YOUR AGENCY SHARE, OR WOULD YOUR AGENCY CONSIDER SHARING,  
DATA WITH OTHER AGENCIES THROUGH AN ON-LINE COMMUNICATIONS LINK?  
YES ☐ NO ☐

\* \* \* \* \*

CAN YOU PROVIDE NAMES OF INDIVIDUALS WHO WOULD BE ABLE TO IDENTIFY OTHER DATA  
BASES IN THE STATE?

NAME: \_\_\_\_\_ NAME: \_\_\_\_\_

AGENCY: \_\_\_\_\_ AGENCY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

TELEPHONE: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

\* \* \* THANK YOU FOR YOUR HELP \* \* \*

Appendix 2  
FOLLOW-UP SURVEY

# SURVEY

## INVENTORY OF STATE AND SUB-STATE COMPUTER-BASED NATURAL RESOURCES REPOSITORIES

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The purpose of this questionnaire is to obtain descriptions of natural resources and related data bases in your state. Instructions for completing the survey are attached (tan paper). If you have any questions or need clarification regarding any aspect of this form, please contact:

Loyola M. Caron  
University of Kansas Space Technology Center  
Kansas Applied Remote Sensing (KARS) Program  
2291 Irving Hill Drive  
Lawrence, Kansas 66045-2969

Telephone: (913) 864-4775

NAME(S) OF DATA BASE(S): \_\_\_\_\_

\_\_\_\_\_

### QUESTIONNAIRE COMPLETED BY:

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

## PART I — DATA BASE CONTACTS/FACILITIES

### 1. OTHER CONTACTS (Please complete all that apply -- in-house only):

• ADMINISTRATIVE HEAD: \_\_\_\_\_

TITLE: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

• USER SERVICES AND PRODUCTS: \_\_\_\_\_

TITLE: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

• COMPUTER OPERATIONS: \_\_\_\_\_

TITLE: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

2. **DOCUMENTATION:** Do you have any written documentation of your data base(s)/information system? (Please send a copy of any available materials if you have not previously done so.)

- |  |  |
|--|--|
| <input type="checkbox"/> Yes, hardware                   | <input type="checkbox"/> Yes, data encoding format/procedure |
| <input type="checkbox"/> Yes, software                   | <input type="checkbox"/> Yes, data type                      |
| <input type="checkbox"/> Yes, data structure             | <input type="checkbox"/> Yes, general information            |
| <input type="checkbox"/> Yes, data assessment procedures | <input type="checkbox"/> Yes, newsletter                     |
| <input type="checkbox"/> No                              |  |

3. **USER FEES:** Are fees charged by your office for providing data from this information system?

- |  |   |
|--|---|
| <input type="checkbox"/> Yes, fees charged for all products and services according to a fee schedule | <input type="checkbox"/> Yes, fees charged on a cost recovery basis       |
| <input type="checkbox"/> Yes, fees charged for products only   | <input type="checkbox"/> No, products and services available at no charge |
| <input type="checkbox"/> Other (Please specify: _____)   | <input type="checkbox"/> No policy established                            |

(Over)

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## PART 1 (Continued)

4. **COMPUTER FACILITIES:** Which of the following describes your computer facilities? (Check all that apply.)

- ☐ Own or rent and operate own computer
- ☐ Use central government computer center
- ☐ Use another department's computer (Please specify: \_\_\_\_\_)
- ☐ Use a private sector computer center (Please specify: \_\_\_\_\_)
- ☐ Use a university computer center (Please specify: \_\_\_\_\_)
- ☐ Other (Please specify: \_\_\_\_\_)

5. The information system operates in which of the following modes?

- ☐ Batch ☐ Interactive

6. Would you describe your system as a **GEOGRAPHIC INFORMATION SYSTEM** (i.e., components can be spatially related so that multiple information types can be registered)?

- ☐ Yes ☐ No
- ☐ Partially (Please explain: \_\_\_\_\_)

7. **COMPUTER(S)**

- ☐ Microcomputer (Make and model: \_\_\_\_\_)
- ☐ Mini/Super-mini (Make and model: \_\_\_\_\_)
- ☐ Main Frame (Make and model: \_\_\_\_\_)
- ☐ Other (Please specify make and model: \_\_\_\_\_)

Please answer questions 8 - 11 only if your office owns or rents and operates its own computer and can therefore summarize these features for the entire system.

8. **OPERATING SYSTEM:** \_\_\_\_\_

9. **SYSTEM CAPACITY:**

- ☐ Main memory (bytes): \_\_\_\_\_
- ☐ Disc storage (bytes): \_\_\_\_\_
- ☐ Simultaneous users supported: \_\_\_\_\_

10. **PROGRAMMING LANGUAGES USED** (Please estimate percentage of lines of all code):

- ☐ Fortran (% \_\_\_\_\_) ☐ Pascal (% \_\_\_\_\_)
- ☐ Assembler (% \_\_\_\_\_) ☐ C (% \_\_\_\_\_)
- ☐ BASIC (% \_\_\_\_\_) ☐ COBOL (% \_\_\_\_\_)
- ☐ Other (Please specify: \_\_\_\_\_)

11. **SPECIALIZED SOFTWARE** used for system operation includes:

- ☐ Mapping/plotting package(s): \_\_\_\_\_
- ☐ Image processing: \_\_\_\_\_
- ☐ Data base management systems: \_\_\_\_\_
- ☐ Statistical package(s): \_\_\_\_\_
- ☐ Other: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

12. Does your office maintain any of the following devices in-house?

### DISPLAYS

- ☐ Monochrome graphics CRT (How many? \_\_\_\_\_) ☐ Color image display (How many? \_\_\_\_\_)
- ☐ Color (CAD/CAM, business) graphics CRT (How many? \_\_\_\_\_) ☐ Other (Please specify: \_\_\_\_\_)

### DIGITIZERS

- ☐ Mechanical (How many? \_\_\_\_\_) ☐ Tablet-Free cursor (How many? \_\_\_\_\_)
- ☐ Line following (How many? \_\_\_\_\_) ☐ Scanning (How many? \_\_\_\_\_)
- ☐ Other (Please specify: \_\_\_\_\_)

### HARD-COPY GRAPHICS/TERMINALS

- ☐ Line printer (character graphics) ☐ Electrostatic plotter
- ☐ Dot matrix printer with graphics ☐ Solid inked pen plotter
- ☐ Color dot matrix printer with graphics ☐ Drum pen plotter
- ☐ Color ink-jet ☐ Large or precision flatbed pen plotter
- ☐ Laser film recorder ☐ Hard copy terminal (How many? \_\_\_\_\_)
- ☐ Other (Please specify: \_\_\_\_\_) ☐ Alphanumeric CRT (How many? \_\_\_\_\_)

# PART II - DESCRIPTION OF DATA CATEGORIES

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\*\*\*IMPORTANT: PLEASE COMPLETE ONE OF THESE FORMS (PART II) FOR EACH MAJOR DATA CATEGORY CONTAINED WITHIN YOUR REPOSITORY

- INSTRUCTIONS:**
- (1) Circle one data category (e.g., CLIMATE/WEATHER) contained within your repository from those listed below. If your repository contains data on a topic not listed below, or not properly identified, feel free to create your own category and identify it under "OTHER CATEGORY."
  - (2) Check all data types that are included in the category which you have circled (e.g., Rainfall, Wind, Temperature). If your data category contains data types other than those listed beneath the category name in this list, please identify those data types in the box below ("OTHER DATA TYPES").
  - (3) Identify the name of the data base/repository in which this data category and associated data types can be found.

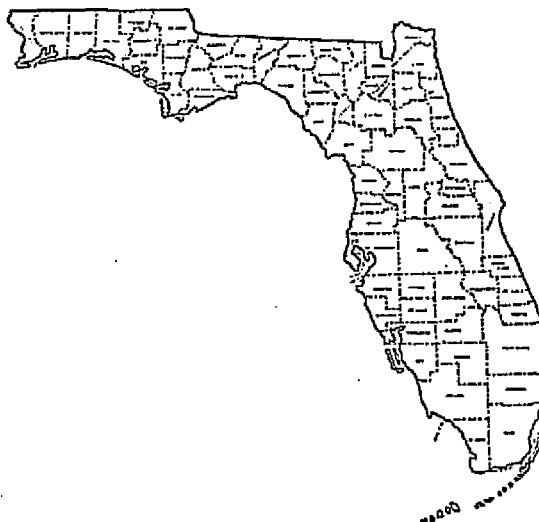
<p>• <b>CLIMATE/WEATHER</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Rainfall</li> <li><input type="checkbox"/> Wind</li> <li><input type="checkbox"/> Exposure</li> <li><input type="checkbox"/> Evapotranspiration</li> <li><input type="checkbox"/> Temperature</li> <li><input type="checkbox"/> Snowfall/snow depth</li> <li><input type="checkbox"/> Solar radiation</li> <li><input type="checkbox"/> Natural disasters</li> </ul> <p>• <b>DEMOGRAPHY</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Populations</li> <li><input type="checkbox"/> Social aspects</li> <li><input type="checkbox"/> Economic aspects</li> </ul> <p>• <b>ENERGY</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Resources - coal/lignite</li> <li><input type="checkbox"/> Resources - natural gas</li> <li><input type="checkbox"/> Resources - oil</li> <li><input type="checkbox"/> Resources - hydro-electric</li> <li><input type="checkbox"/> Ownership</li> <li><input type="checkbox"/> Production</li> <li><input type="checkbox"/> Conversion</li> <li><input type="checkbox"/> Transmission</li> </ul> <p>• <b>ENVIRONMENTAL QUALITY</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Air quality</li> <li><input type="checkbox"/> Water quality</li> <li><input type="checkbox"/> Point pollution</li> <li><input type="checkbox"/> Non-point pollution</li> <li><input type="checkbox"/> Hazardous wastes</li> </ul>	<p>• <b>GEOLOGY</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Physiography</li> <li><input type="checkbox"/> Surficial geology</li> <li><input type="checkbox"/> Bedrock geology</li> <li><input type="checkbox"/> Exploration/extraction</li> </ul> <p>• <b>HYDROLOGY - GROUNDWATER</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Quantity</li> <li><input type="checkbox"/> Quality</li> <li><input type="checkbox"/> Recharge</li> <li><input type="checkbox"/> Discharge/pumpage</li> <li><input type="checkbox"/> Well location</li> <li><input type="checkbox"/> Water rights</li> </ul> <p>• <b>HYDROLOGY - SURFACE</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Discharge/volume/stage</li> <li><input type="checkbox"/> Quality</li> <li><input type="checkbox"/> Water body type</li> <li><input type="checkbox"/> Supply and storage</li> <li><input type="checkbox"/> Watershed boundaries</li> <li><input type="checkbox"/> Flooding</li> <li><input type="checkbox"/> Floodplains</li> <li><input type="checkbox"/> Flood prone areas</li> <li><input type="checkbox"/> Stream orders</li> <li><input type="checkbox"/> Water rights</li> </ul> <p>• <b>LAND COVER</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Barren land</li> <li><input type="checkbox"/> Forest land</li> <li><input type="checkbox"/> Perennial ice &amp; snow</li> <li><input type="checkbox"/> Rangeland</li> <li><input type="checkbox"/> Water</li> <li><input type="checkbox"/> Wetlands</li> <li><input type="checkbox"/> Estuaries</li> <li><input type="checkbox"/> Cropland</li> <li><input type="checkbox"/> Pasture</li> <li><input type="checkbox"/> Urban/built-up</li> </ul>	<p>• <b>LAND USE (RESOURCES)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Timber</li> <li><input type="checkbox"/> Mineral extraction/energy production</li> <li><input type="checkbox"/> Water use</li> <li><input type="checkbox"/> Cropland</li> <li><input type="checkbox"/> Livestock production</li> <li><input type="checkbox"/> Transportation</li> <li><input type="checkbox"/> Urban/built-up</li> <li><input type="checkbox"/> Recreation</li> <li><input type="checkbox"/> Parks</li> <li><input type="checkbox"/> Unique areas</li> <li><input type="checkbox"/> Cultural areas                         <ul style="list-style-type: none"> <li><input type="checkbox"/> - Historical</li> <li><input type="checkbox"/> - Archaeological</li> <li><input type="checkbox"/> - Paleontological</li> </ul> </li> <li><input type="checkbox"/> Ownership</li> </ul> <p>• <b>SOUNDSCAPES</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> State</li> <li><input type="checkbox"/> Counties</li> <li><input type="checkbox"/> Townships</li> <li><input type="checkbox"/> Census blocks</li> <li><input type="checkbox"/> Watersheds</li> <li><input type="checkbox"/> River basins</li> <li><input type="checkbox"/> Regional planning districts</li> </ul> <p>• <b>SOILS DATA</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Type</li> <li><input type="checkbox"/> Series</li> <li><input type="checkbox"/> Association</li> <li><input type="checkbox"/> Engineering characteristics</li> <li><input type="checkbox"/> Capability class</li> <li><input type="checkbox"/> Productivity</li> <li><input type="checkbox"/> Erosion</li> <li><input type="checkbox"/> Conservation measures</li> </ul>	<p>• <b>TOPOGRAPHY</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Elevation</li> <li><input type="checkbox"/> Slope</li> <li><input type="checkbox"/> Aspect</li> <li><input type="checkbox"/> Relief</li> </ul> <p>• <b>VEGETATION</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Species</li> <li><input type="checkbox"/> Communities</li> <li><input type="checkbox"/> Quality/condition</li> <li><input type="checkbox"/> Biomass/volume</li> <li><input type="checkbox"/> Succession</li> <li><input type="checkbox"/> Age</li> <li><input type="checkbox"/> Rare and endangered</li> </ul> <p>• <b>WILDLIFE</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Game - mammals</li> <li><input type="checkbox"/> Game - birds</li> <li><input type="checkbox"/> Game - fish</li> <li><input type="checkbox"/> Game - other</li> <li><input type="checkbox"/> Non-game - mammals</li> <li><input type="checkbox"/> Non-game - birds</li> <li><input type="checkbox"/> Non-game - fish</li> <li><input type="checkbox"/> Non-game - marine/estuarial</li> <li><input type="checkbox"/> Non-game - reptiles/amphibians</li> <li><input type="checkbox"/> Non-game - other</li> <li><input type="checkbox"/> Quantity (populations)</li> <li><input type="checkbox"/> Management</li> <li><input type="checkbox"/> Habitat</li> <li><input type="checkbox"/> Threatened and endangered</li> </ul> <p>• <b>OTHER CATEGORY (Please specify)</b></p>
---	--	--	--

OTHER DATA TYPES (Items for category checked above):

THESE DATA ARE CONTAINED WITHIN (NAME OF DATA BASE/REPOSITORY):

1. GEOGRAPHIC COVERAGE. What is the extent of the geographic coverage in this data category? (Please sketch this area on the map, if necessary.)

- ☐ Watershed (Name: \_\_\_\_\_)
- ☐ Resource management district(s) (Name: \_\_\_\_\_)
- ☐ Special project area (Name: \_\_\_\_\_)
- ☐ Regional (an area encompassing several counties, e.g., the area covered by a regional planning district or conservation district).
- ☐ Statewide
- ☐ Other (Please specify: \_\_\_\_\_)



(Over)

2. **GEOGRAPHIC REFERENCE.** How are these data referenced geographically? (Check all that apply.)

- ☐ Latitude/longitude  
☐ Universal Transverse Mercator (UTM)  
☐ Public Land Survey (township/range/section)  
☐ State Plane Coordinates  
☐ Ad hoc grid, unreferenced (i.e., arbitrary X, Y)  
☐ Not geographically referenced  
☐ Other (Please specify: \_\_\_\_\_)

3. **RESOLUTION.** To what minimum level are the data aggregated in this data category? (Check all that apply, if different from one data type to the next.)

- ☐ By watershed or river basin  
☐ By ownership unit  
☐ By management unit  
☐ By county  
☐ By township  
☐ 640 acres (section, 1 square mile)  
☐ 160 acres (1/4 section)  
☐ Other (Please specify: \_\_\_\_\_)
- ☐ 40 acres  
☐ 10 acres  
☐ 2-5 acres  
☐ 1 acre  
☐ Site specific  
☐ 10,000 m<sup>2</sup> (UTM cell)  
☐ 500-meter cell  
☐ Hectare

4. **DATA STORAGE FORMAT.** In what format are the data stored? (Check all that apply.)

- ☐ Grid  
☐ Polygon  
☐ Arc/node  
☐ Other (Please specify: \_\_\_\_\_)
- ☐ Coordinate point  
☐ Tabular

5. **OUTPUT PRODUCTS.** Available output products include (check all that apply):

- ☐ Maps - variable scale  
☐ Maps - one scale only (Please specify: \_\_\_\_\_)  
☐ Tables  
☐ Graphics (e.g., charts, histograms, plots)  
☐ Computer tape  
☐ Other (Please specify: \_\_\_\_\_)
- ☐ Modelling capability  
☐ Statistical summaries (e.g., acreage, mean depth to groundwater)  
☐ Composite mapping (overlays)  
☐ Interactive video display capability

6. **PRIMARY/SECONDARY DATA.** Are the source data primary (i.e., collected by your staff or by someone on your behalf), secondary (i.e., collected by another agency), or a combination of both? (Check all that apply.)

- ☐ Primary  
☐ Secondary, collected by (name of agency): \_\_\_\_\_  
☐ Unknown

7. **DATA SOURCES.** If the data are primary, what sources were used to obtain the data? (Check all that apply.)

- ☐ Historical records  
☐ Published surveys and maps  
☐ Field survey  
☐ Telephone/mail surveys  
☐ Interpretation of other data within the system/data base  
☐ Other (Please specify: \_\_\_\_\_)
- ☐ Laboratory analysis  
☐ Aerial photography  
☐ Landsat  
☐ Other remote sensing data  
☐ Unknown

8(a) **RELIABILITY.** A subjective assessment of the reliability of the data, taking into account collection methods, resolution, and other variables, prior to data base entry.

- ☐ Highly reliable  
☐ Moderately reliable  
☐ Low reliability  
☐ Unknown

(b) By what method is this reliability determined?

- ☐ Random field check  
☐ Expert opinion  
☐ Other (Please specify: \_\_\_\_\_)
- ☐ Unknown

9(a) **UPDATING FREQUENCY.** How often are the source data updated? (Check all that apply.)

- ☐ Continuously  
☐ Daily  
☐ Weekly  
☐ Monthly  
☐ Other (Please specify: \_\_\_\_\_)
- ☐ Annually  
☐ Biennially  
☐ Every 5 years  
☐ Every 10 years

(b) **DATE LAST UPDATED:** \_\_\_\_\_

10. **CONFIDENTIALITY.** Are any of the data in this category subject to restricted access?

- ☐ Yes (Please explain: \_\_\_\_\_)  
☐ No

11. **CLASSIFICATION SCHEME EMPLOYED,** if applicable (e.g., Anderson's classification for land cover derived from remote sensing data or National Wetlands Classification). If classification was developed in-house, please attach a copy.

12. Are any of the data in this category routinely supplied to a repository of a federal agency (e.g., HANDEX, CRIB, STORET)?

- ☐ Yes (Name of agency/repository: \_\_\_\_\_)  
☐ No

# INSTRUCTIONS

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## PART I - DATA BASE CONTACTS/FACILITIES

Part I is included so that an overview of contacts, computer hardware, software, and peripheral devices can be obtained. Spaces are provided for listing individuals having special responsibilities with respect to coordination of the data base(s), dissemination of information, and computer operations. Please provide names, titles and phone numbers (if different from your number) for these individuals, as appropriate.

Complete questions 8 - 11 (screened inset) only if your office owns (or rents) and operates a computer--i.e., only if your office is in a position to provide comprehensive details on the system as a whole. If your computer facilities are located at another site, skip this portion of the survey, and proceed to question 12.

## PART II - DATA BASE CONTACTS/FACILITIES

The remainder of the survey deals explicitly with the information contained in your data base/repository. The intent is to survey the data, not the organizational or hierarchical structures of the data base, which vary from one repository to the next.

It will be necessary to complete one form (Part II) for each major category of data in your data base. Also, if data on one category (e.g., Land Cover) are contained in more than one data base, a separate Part II form must be completed for each repository.

A list of major data categories is included in Part II of the survey to assist you in identifying broad data categories in your data base. Several data types are listed within each data category. If your data base/repository contains data not included or properly represented on this list, FEEL FREE to create new data categories or data types in the spaces indicated.

For example, wildlife may not be of much importance within your data base, but perhaps you have information about the species and populations of animals within your Forest Resources Data Base. The header at the beginning of Part II may be filled out to reflect this lesser significance of wildlife, as well as the importance of forestry, as follows:

For example, wildlife may not be of much importance within your data base, but perhaps you have information about the species and populations of animals within your Forest Resources Data Base. The header at the beginning of Part II may be filled out to reflect this lesser significance of wildlife, as well as the importance of forestry, as follows:

- INSTRUCTIONS:**
- Circle one data category (e.g., CLIMATE/WEATHER) contained within your repository from those listed below. If your repository contains data on a topic not listed below, or not properly identified, feel free to create your own category and identify it under "OTHER CATEGORY."
  - Check all data types that are included in the category which you have circled (e.g., Rainfall, Wind, Temperature). If your data category contains data types other than those listed beneath the category name in this list, please itemize those data types in the box below ("OTHER DATA TYPES").
  - Identify the name of the data base/repository in which this data category and associated data types can be found.

### CLIMATE/WEATHER

- ☐ Rainfall
- ☐ Wind
- ☐ Exposure
- ☐ Evapotranspiration
- ☐ Temperature
- ☐ Snowfall/snow depth
- ☐ Solar radiation
- ☐ Natural disasters

### DENOGRAPHY

- ☐ Populations
- ☐ Social aspects
- ☐ Economic aspects

### ENERGY

- ☐ Resources - coal/lignite
- ☐ Resources - natural gas
- ☐ Resources - oil
- ☐ Resources - hydro-electric
- ☐ Ownership
- ☐ Production
- ☐ Conversion
- ☐ Transmission

### ENVIRONMENTAL QUALITY

- ☐ Air quality
- ☐ Water quality
- ☐ Point pollution
- ☐ Non-point pollution
- ☐ Hazardous wastes

### GEOLOGY

- ☐ Physiography
- ☐ Surficial geology
- ☐ Bedrock geology
- ☐ Exploration/extraction

### HYDROLOGY - GROUNDWATER

- ☐ Quantity
- ☐ Quality
- ☐ Recharge
- ☐ Discharge/pumpage
- ☐ Well location
- ☐ Water rights

### HYDROLOGY - SURFACE

- ☐ Discharge/volume/stage
- ☐ Quality
- ☐ Water body type
- ☐ Supply and storage
- ☐ Watershed boundaries
- ☐ Flooding
- ☐ Floodplains
- ☐ Flood prone areas
- ☐ Stream orders
- ☐ Water rights

### LAND COVER

- ☐ Barren land
- ☐ Forest land
- ☐ Perennial ice & snow
- ☐ Rangeland
- ☐ Water
- ☐ Wetlands
- ☐ Estuaries
- ☐ Cropland
- ☐ Pasture
- ☐ Urban/built-up

### LAND USE (RESOURCES)

- ☐ Timber
- ☐ Mineral extraction/energy production
- ☐ Water use
- ☐ Cropland
- ☐ Livestock production
- ☐ Transportation
- ☐ Urban/built-up
- ☐ Recreation
- ☐ Parks
- ☐ Unique areas
- ☐ Cultural areas
  - ☐ - Historical
  - ☐ - Archaeological
  - ☐ - Paleontological
- ☐ Ownership

### BOUNDARIES

- ☐ State
- ☐ Counties
- ☐ Townships
- ☐ Census blocks
- ☐ Watersheds
- ☐ River basins
- ☐ Regional planning districts

### SOILS DATA

- ☐ Type
- ☐ Series
- ☐ Association
- ☐ Engineering characteristics
- ☐ Capability class
- ☐ Productivity
- ☐ Erosion
- ☐ Conservation measures

### TOPOGRAPHY

- ☐ Elevation
- ☐ Slope
- ☐ Aspect
- ☐ Relief

### VEGETATION

- ☐ Species
- ☐ Communities
- ☐ Quality/condition
- ☐ Biomass/volume
- ☐ Succession
- ☐ Age
- ☐ Rare and endangered

### WILDLIFE

- ☐ Game - mammals
- ☐ Game - birds
- ☐ Game - fish
- ☐ Game - other
- ☐ Non-game - mammals
- ☐ Non-game - birds
- ☐ Non-game - fish
- ☐ Non-game - marine/estuarial
- ☐ Non-game - reptiles/amphibians
- ☐ Non-game - other
- ☐ Quantity (populations)
- ☐ Management
- ☐ Habitat
- ☐ Threatened and endangered

### OTHER CATEGORY (Please specify)

*Forest Resources*

OTHER DATA TYPES (itemize for category circled above):

*Age*

*Species*  
*Management*

*Volume*  
*Wildlife*

THESE DATA ARE CONTAINED WITHIN (NAME OF DATA BASE/REPOSITORY): *Forest Resources Data Base*

The questions on Part II of the survey form are designed to characterize each major data category within your data base. It will probably be necessary to generalize this information for each category, or to select the answer which represents the "best fit."

Certain features, however, vary drastically from one type of data to the next (e.g., geographic coverage, resolution). If the characteristics of some data types cannot be generalized with the others, you may prefer to complete a separate survey form for those data types; or, alternatively, you might simply note major discrepancies in the margins of the survey.

For example, in the data category *Land Use*, cultural areas may be entered into the data base on a site specific basis, whereas parks may be aggregated to 40-acre cells. This difference in resolution could be reflected in any of the following ways:

• A separate survey form (Part II) could be completed for each data type (i.e., cultural areas and parks);

• Both *site specific* and *40 acres* could be checked on the survey, and appropriate annotations made in the margin to indicate which type of resolution applies to cultural areas and parks; or

• If the data on cultural sites is very limited, you may choose to generalize the response by checking *40 acres* on the survey, to reflect the resolution of parks which comprise a much greater portion of the data category.

PLEASE FEEL FREE to include published materials regarding the contents of your data base.

APPENDIX 3  
STANDARD ABBREVIATIONS  
FOR STATE NAMES



Alabama	AL	Nebraska	NE
Alaska	AK	Nevada	NV
Arizona	AZ	New Hampshire	NH
Arkansas	AR	New Jersey	NJ
California	CA	New Mexico	NM
Colorado	CO	New York	NY
Connecticut	CT	North Carolina	NC
Delaware	DE	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Puerto Rico	PR
Indiana	IN	Rhode Island	RI
Iowa	IA	South Carolina	SC
Kansas	KS	South Dakota	SD
Kentucky	KY	Tennessee	TN
Louisiana	LA	Texas	TX
Maine	ME	U.S. Virgin Islands	VI
Maryland	MD	Utah	UT
Massachusetts	MA	Vermont	VT
Michigan	MI	Virginia	VA
Minnesota	MN	Washington	WA
Mississippi	MS	West Virginia	WV
Missouri	MO	Wisconsin	WI
Montana	MT	Wyoming	WY

# SELF-SHADOWING OF ORBITING TRUSSES

By

Jack Mahaney<sup>1</sup> and Earl Thornton<sup>2</sup>

## SUMMARY

- Purpose - Determine shadowing reductions on heating of orbiting trusses
- Scope - Determination of heating rates with slender member shadowing effects included
- Thermal response of shadowed member

## Analysis Approach

1. Determine shadowing
2. Heating analysis
3. Thermal analysis
4. Structural analysis

*Observe* The approach used to determine ~~the~~

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<sup>1</sup> Graduate Assistant, Department of Mechanical Engineering and Mechanics, Old Dominion University, Norfolk, Virginia 23508.

<sup>2</sup> Associate Professor, Department of Mechanical Engineering and Mechanics, Old Dominion University, Norfolk, Virginia 23508.

Appendix 4  
DATA BASE DESCRIPTIONS

CODE :AK001-01

# COMPUTER FACILITIES

STATE :AK  
 DATA BASE NAME :AK Land and Resource System  
 DATA BASE ACRONYM :ALARS  
 SUBJECT COVERAGE :Land management, water rights, surface water, groundwater, dams, recreation, minerals, energy, ownership, forestry, topography, land assessment  
 GEOGRAPHIC COVERAGE :State-owned lands in Alaska  
 STATUS :The AK Department of Natural Resources is responsible for acquiring title to and subsequently planning, managing and allocating natural resource use on lands owned by the State of Alaska (including 104.75 million acres selected under the Statehood Act, some 60 to 70 million acres of offshore lands, and as much as 10 million acres of lands beneath navigable rivers and lakes). Its planning and resource management authorities cover timber, materials, grazing lands, agricultural lands, wildlife habitat (but not wildlife), recreational resources, sites for residential, commercial or industrial use, transportation and utility rights-of-way, locatable minerals, oil and gas, coal, geothermal resources, and other leasable minerals.

In addition, the Department has certain regulatory powers applicable without regard to land ownership: water use allocation statewide; zoning authority in the unorganized borough; wildfire control responsibilities throughout Alaska; and the statewide regulation of logging operations, coal mining and geothermal resources.

The Department has 40 "computer systems" available for its use. Several of these "systems" are various software packages acquired for geoprocessing and other functions; others are used for administrative/accounting purposes. The Land Administration System (LAS) is a rapidly growing departmental data base which is hierarchically the system under which several subsystems operate.

In the following summaries, the "name" of the significant system can be found in quotation marks, following the applicable data category.

AGENCY RESPONDENT :AK Department of Natural Resources  
 :Russell R. Cunningham, Jr., Natural Resource Manager  
 Division of Land and Water Management  
 AK Department of Natural Resources  
 555 Cordova Street  
 Pouch 7-005  
 Anchorage, AK 99510  
 Telephone: 907-276-2653  
 OTHER CONTACTS :Doug Nutter, Division of Technical Services  
 :David Wallingford, Assistant State Forester  
 Nerlin Wibbenmeyer, Natural Resource Manager

COMPUTER(S) :IBM 3031  
 IBM 4341  
 IBM 3300 (two)  
 DG ECLIPSE NV8000  
 DG ECLIPSE S/250  
 IBM Word Processor (nine)  
 IBM Composer  
 HP 85 (two)  
 HP 250  
 WANG (three)  
 WANG 25 II (seven)  
 WANG OIS 140-1 (sixteen stations)  
 MICOM 2001 (two)  
 MICOM 2002 (three)  
 IBM PC  
 IBM OS6/450 WP (two)  
 IBM OS6/442 WP  
 LANIER (two)  
 IBM DISPLAYWRITER  
 CPT 6100  
 CPT 8100  
 COMMODORE  
 WANG SYSTEM 30 (three)  
 DEC VAX 11/780  
 RESIDENCE :In-house; Anchorage Data Center and Juneau Data Center, AK Department of Administration (mainframe and IBM 3300 systems)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

## IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
 COBOL  
 SPECIALIZED SOFTWARE :COMARC Planning Information System  
 DNR Geoprocessing Software (custom)  
 ESRI GRID/GRIPS System  
 MOSS (Map Overlay and Statistical System)  
 SURFACE II  
 INFORMAP  
 PERIPHERAL DEVICES :IBM 327x CRT terminals, other text CRT terminals, dial-up terminals, terminal printers, off-line data keying units

## DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land management -  
 "Land and Case Monitoring" - case file data and township data, location, acreage, ownership, classifications  
 COMMENTS :Key users: all DNR  
 The system is planned as a generalized on-line interactive

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AK001-01

computer software system. This system will allow the offices of the DNR to add and display information concerning individual cases within the department/application area as well as case status and activities relating to physical areas of land. To be operational by July 1982. This system is an LAS subsystem.

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DATA CATEGORY NAME

:Water rights -  
 "Water Rights System" - use of state water: ADL number, case type, customer data location, water data case, quantity, source, etc.  
 "Water Management System" - water rights descriptive information

COMMENTS

:Key users: Land and Water  
 The function of the Water Rights system is to maintain data related to the use of state water (water rights, use privileges, etc.). This system is to be replaced by LAS Water Management System  
 The Water Management System provides for maintenance, inquiry, and reporting of water management data. This system is an LAS subsystem.

---

DATA CATEGORY NAME

:Surface water -  
 "Water Management Plan" - water rights descriptive information, dam inventory, water use reports, customer identification, case identification, location and type of use

COMMENTS

:Key users: Land and Water  
 This system provides for maintenance, inquiry, and reporting of water management data. (Status 4/19/82: in design and programming). This is an LAS subsystem.

---

DATA CATEGORY NAME

:Groundwater -  
 "Water Management System" - well inventory, water rights descriptive information, water use reports

COMMENTS

:Key users: Land and Water  
 This system provides for maintenance, inquiry, and reporting of water management data. (Status 4/19/82: in design and programming). This is an LAS subsystem.

---

DATA CATEGORY NAME

:Dams -  
 "Water Management System" - dam inventory

COMMENTS

:Key users: Land and Water  
 This system provides for maintenance, inquiry, and reporting of water management data. (Status 4/19/82: in design and programming). This is an LAS subsystem.

---

DATA CATEGORY NAME

:Recreation -  
 "Visitor Count Report Subsystem" - dates, facilities, weather conditions, events and visitor count  
 "Alaska Public Survey Subsystem" - sampling data to reflect recreation use, natural resources use, perceived recreation needs  
 (There are 3000 samples in the data base, sampling was completed in 1979 and should in a general way reflect accurately recreation availability and needs in to the mid 80's)

COMMENTS

:Key user: Parks  
 The Visitor Count Report Subsystem is intended to give accurate estimates of visitor use in the state parks. Data is gathered by field staff. These counts are collected at the district level and then monthly are sent by the district of State Park Headquarters.. The data is then keyed to floppy by a private contractor. TAS staff then loads this data to tape and runs a COBOL program which generates estimates of total visitor use by site, district, and statewide. This system is currently inactive (4/19/82).  
 The AK Public Survey Subsystem provides the planning section with base line data to evaluate recreation needs with subregion, region and on a statewide bases. The statistical reports provide the basis for planning documents at the Division of Parks.

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DATA CATEGORY NAME

:Minerals -  
 "Mine File" - claim locations, minerals, activity and owner name

OUTPUT PRODUCTS  
 UPDATE FREQUENCY

:Printed reports and cross-reference indexes on microfiche  
 :Computer files are updated monthly  
 Indexes are produced monthly

COMMENTS

:Key users: Geology and Geophysical Surveys  
 This system's function includes maintaining and retrieving information about registered mining claims in Alaska. The main function of the system is to provide state and federal agencies, corporations and individuals information for their use in mineral research. This system may possibly be replaced by LAS.

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DATA CATEGORY NAME

:Energy -  
 "Oil and Gas Leasing" - parcel data and statistics of oil and gas reserves by tract applicants and bids  
 "Oil/Gas Royalty Accounting (OGARS)" - leases, oil and gas volume, current prices, owners and purchasers

COMMENTS

:Key users: Minerals and Energy Management  
 The Oil and Gas Leasing system is an oil and gas leasing system for record keeping on reporting processes related to lease sales only. Supplementary cross index files and stat-

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istics are produced pertaining to each tract. Produces a listing of winners after sale.  
Key user: Oil and Gas Royalty Accounting Unit (DNEM)  
The Oil/Gas Royalty Accounting system calculates royalty in value, a cash payment by the owner of a lease based on the royalty percent of the value of the oil and gas produced. Calculates royalty in kind, a percent of the actual oil and gas production delivered to the state as royalty and, in turn, sold by the state to purchasers.

EROS field office where an inventory of such data is maintained. Any topographic data could be processed on the geoprocessor to produce VIEWIT input data. To date (4/19/82), has been operated only by contract personnel on behalf of B.L.M.

#### DATA CATEGORY NAME

:Ownership -  
"Land Records System" - consists of two files:  
1. the case file pertaining to serial page data  
ADL number, ownership, class  
2. the township file pertaining to the land  
data land location, classification, ADL number

#### OUTPUT PRODUCTS COMMENTS

:Microfiche and ad hoc reports  
:Key user: Technical Services  
The function is to maintain DNR data related to the current status of land owned by the State of Alaska

#### DATA CATEGORY NAME

:Forestry -  
"Forest Inventory System" - all DNR data related to inventory of forest and timber resources

#### GEOGRAPHIC COVERAGE DATA STORAGE FORMAT

:Statewide  
:Products produced by the system include: (1) a master list of inventoried forest stands with indications of their location, acreages by land classification, stand, ownership, section, township, forest unit, forest working circle, forest district and state; (2) special use sample trees for site, growth and/or form class; (3) computed stand calls; (4) summary count of sample trees measures; (5) average quantity of trees per acre; (6) average volumes per acre; and (7) input proof lists of office generated data

#### COMMENTS

:Key user: Forestry  
The forest inventory can maintain an updatable standing inventory of forest resources (renewable and otherwise) on all lands in the state, and provides conveniently organized information and statistics to assist land management policies. Currently, (4/19/82), this system is not being run and all related data is maintained manually by the Forestry staff.

#### DATA CATEGORY NAME

:Topography -  
"VIEWIT" - slope, aspect, view calculations from digital elevation matrix data

#### OUTPUT PRODUCTS COMMENTS

:Displays as summaries and line printer maps  
:Key user: Research & Development  
Digital elevation matrix data can be obtained from USGS

#### DATA CATEGORY NAME

:Land assessment -  
"Resource Assessment (RAS) - major resources including: agriculture, coal, forestry, hard rock minerals, oil and gas, fisheries, wildlife, land capability; land status data, last maintained 1979-80, includes federal, state, native

#### GEOGRAPHIC COVERAGE OUTPUT PRODUCTS

:All lands in Alaska  
:Major report product is summary for any subset of townships resource values by user-definable land status category

#### COMMENTS

:Key users: Policy Res./Land Entail., Land and Resources Planning  
The function of this system is to enter, update, compute, selectively retrieve on, list, summarize resource assessment and/or land status summary data. Handles resource data on a (percent of) township or section basis. Much of the data can be and has been converted to geoprocessor. RAS has several functions not available on geoprocessor.

DOCUMENTATION :Long-range resource information management plan  
DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :AK14

ORIGINAL PAGE IS  
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CODE :AK002-01

STATE :AK  
 DATA BASE NAME :Habitat Assessment Models  
 SUBJECT COVERAGE :Wildlife habitat  
 GEOGRAPHIC COVERAGE :Susitna Area Plan (a special project area located north of Cook Inlet)  
 STATUS :The Habitat Division of the AK Department of Fish and Game has developed several data bases on fish and wildlife resources and the human use of fish and wildlife for public information and land use planning. These data bases typically include 1:63,360, 1:250,000 or 1:500,000 scale maps depicting the distribution of seasonal and life function use areas of the fish and wildlife species most important to the public. Since January 1981 the Habitat Division has been developing an automated geographical information system to increase the utility of this mapped information. This data base is one component of the GIS.  
 In addition to spatial information, the division prepares reports on the distribution, abundance, life history, habitat requirements, sensitivity to impacts, and human use of selected species. From this information base they develop habitat management guidelines to minimize the impacts of the major types of land and water developments.  
 AGENCY :AK Department of Fish and Game  
 RESPONDENT :Bruce H. Baker, Assistant Director  
 Habitat Division  
 AK Department of Fish and Game  
 PO Box 3-2000  
 Juneau, AK 99802  
 Telephone: 907-465-4105  
 OTHER CONTACTS :Willem van Veldhuisen, Acting Supervisor, Data Management Unit  
 Telephone: 907-267-2291  
 :Charlotte Bridges, Systems Manager  
 Telephone: 907-267-2291

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV4000  
 RESIDENCE :In-house  
 Also use facilities at AK DNR and USFWS  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :AOS/VS  
 SYSTEM CAPACITY :Main memory: 2 MB  
 Disc storage: 192 MB  
 Simultaneous users supported: 10  
 LANGUAGE(S) :FORTRAN  
 SPECIALIZED SOFTWARE :ESRI GRID

#### PERIPHERAL DEVICES

DCS RIM  
 TEKTRONIX IGL  
 Miscellaneous special purpose in-house software  
 :Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), drum pen plotter, alphanumeric CRT's (8)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 habitat  
 GEOGRAPHIC COVERAGE :Susitna Area Plan (Willow, Talkeetna, Deluga, and Upper Susitna Sub-basins)  
 GEOGRAPHIC REFERENCE :Ad hoc grid  
 MINIMUM RESOLUTION :10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, modelling capability, tables, graphics, statistical summaries, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 CLASSIFICATION :Regelin's Carrying Capacity Model  
 USFWS NEP Model  
 SCS Vegetation Classification Model  
 ADF&G Species Diversity Model  
 COMMENTS :1:63,360 scale  
 Habitat Assessment Models serve as basis for recommendations on land classification and management

DOCUMENTATION :General information is available  
 USER FEES POLICY :No policy has been established, but cooperative agreements exist with other government agencies  
 DATE OF INFORMATION :10/18/83  
 PAPER FILE NUMBER :AK17

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AK002-01

CODE :AK002-02

STATE :AK  
 DATA BASE NAME :Anadromous Waters Catalog  
 SUBJECT COVERAGE :Wildlife (stream location, fish)  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The Habitat Division of the AK Department of Fish and Game has developed several data bases on fish and wildlife resources and the human use of fish and wildlife for public information and land use planning. These data bases typically include 1:63,360, 1:250,000 and 1:500,000 scale maps depicting the distribution of seasonal and life function use areas of the fish and wildlife species most important to the public. Since January 1981 the Habitat Division has been developing an automated geographical information system to increase the utility of this mapped information. This data base is one component of the GIS. In addition to spatial information, the Division prepares reports on the distribution, abundance, life history, habitat requirements, sensitivity to impacts, and human use of selected species. From this information base they develop habitat management guidelines to minimize the impacts of the major types of land and water developments.

AGENCY :AK Department of Fish and Game  
 RESPONDENT :Bruce H. Baker, Assistant Director  
 Habitat Division  
 AK Department of Fish and Game  
 PO Box 3-2000  
 Juneau, AK 99802  
 Telephone: 907-465-4105

OTHER CONTACTS :Willem van Veldhuisen, Acting Supervisor, Data Management Unit  
 Telephone: 907-267-2291  
 :Charlotte Bridges, Systems Manager  
 Telephone: 907-267-2291

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV4000  
 RESIDENCE :In-house  
 Also use facilities at AK DNR and USFWS  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :AOS/VS  
 SYSTEM CAPACITY :Main memory: 2 MB  
 Disc storage: 192 MB  
 Simultaneous users supported: 10

LANGUAGE(S) :FORTRAN  
 SPECIALIZED SOFTWARE :ESRI GRID  
 UCS RIM

#### PERIPHERAL DEVICES

TEKTRONIX IGL  
 Miscellaneous special purpose in-house software  
 :Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), drum pen plotter, alphanumeric CRT's (8)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 game - fish, stream location  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, computer tape, tabular listings are published in the Anadromous Waters Catalog  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate (note - existing data highly reliable, but data base is still incomplete)  
 UPDATE FREQUENCY :Annual  
 COMMENTS :This is a special purpose stream location data base used in conjunction with a manual map atlas

DOCUMENTATION :General information is available  
 "Catalog of Waters Important for Spawning, Rearing and Migration of Anadromous Fishes" (rev. April 1982), AK Department of Fish and Game Habitat Division

USER FEES POLICY :No policy has been established, but cooperative agreements exist with other government agencies

DATE OF INFORMATION :10/18/83  
 PAPER FILE NUMBER :AK17

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AK002-02



CODE :AK002-03

STATE :AK  
DATA BASE NAME :Wildlife Distribution/Human Use  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Bristol Bay Study Area  
Statewide expansion under consideration  
STATUS :This is the wildlife component of a larger natural resource database created in part by other agencies. The Habitat Division of the AK Department of Fish and Game has developed several data bases on fish and wildlife resources and the human use of fish and wildlife for public information and land use planning. These data bases typically include 1:63,360, 1:250,000 and 1:500,000 scale maps depicting the distribution of seasonal and life function to the public. Since January 1981 the Habitat Division has been developing an automated geographical information system to increase the utility of this mapped information. In addition to spatial information, the Division prepares reports on the distribution, abundance, life history, habitat requirements, sensitivity to impacts, and human use of selected species. From this information base they develop habitat management guidelines to minimize the impacts of the major types of land and water developments.  
AGENCY :AK Department of Fish and Game  
RESPONDENT :Bruce H. Baker, Assistant Director  
Habitat Division  
AK Department of Fish and Game  
P.O. Box 3-2000  
Juneau, AK 99802  
Telephone: 907-465-4105  
OTHER CONTACTS :Willem van Veldhuisen, Acting Supervisor, Data Management Unit  
Telephone: 907-267-2291  
Charlotte Bridges, Systems Manager  
Telephone: 907-267-2291

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV4000  
RESIDENCE :In-house  
Also use facilities at AK DNR and USFWS  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :AOS/VS  
SYSTEM CAPACITY :Main memory: 2 MB  
Disc storage: 192 MB  
Simultaneous users supported: 10  
LANGUAGE(S) :FORTRAN  
SPECIALIZED SOFTWARE :ESRI GRID

PERIPHERAL DEVICES :BCS RIM  
TEKTRONIX IGL  
Miscellaneous special purpose in-house software  
Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), drum pen plotter, alphanumeric CRT's (8)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
game - mammals, birds, fish, and other; non-game -  
mammals, birds, fish, marine/estuarial; threatened  
and endangered  
GEOGRAPHIC COVERAGE :Bristol Bay Cooperative Management Plan special project area (includes Bristol Bay County and peninsula  
Statewide expansion is under consideration  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
Ad hoc grid  
MINIMUM RESOLUTION :640 acre cells  
Point/polygon data varies  
DATA STORAGE FORMAT :Grid, coordinate point, polygon  
OUTPUT PRODUCTS :Maps - variable scale, modelling capability, statistical summaries, composite mapping, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :No set policy, created 1982  
CLASSIFICATION :In-house

DOCUMENTATION :Bristol Bay Mapping Program GSC-441 Final Report", Environmental Systems Research Institute, Redlands, CA, May 1983  
USER FEES POLICY :No policy established, but cooperative agreements with other governmental agencies exist  
DATE OF INFORMATION :10/13/83  
PAPER FILE NUMBER :AK17

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AK002-03

CODE :AK003-01

DATE OF INFORMATION :6/83  
PAPER FILE NUMBER :AK18

STATE :AK  
DATA BASE NAME :NSB Geographic Information System  
DATA BASE ACRONYM :NSB GIS  
SUBJECT COVERAGE :Natural resource and other map-related features  
GEOGRAPHIC COVERAGE :North Slope  
STATUS :Under development, expect operational 1984  
AGENCY :North Slope Borough Assembly  
RESPONSIBLE :Pat Webb  
c/o North Slope Borough Assembly  
GIS Project  
1101 East Tudor  
Anchorage, AK 99503  
Telephone: 907-562-0440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
landform

DATA CATEGORY NAME :Surface water -  
waterways

DATA CATEGORY NAME :Land use

DATA CATEGORY NAME :Vegetation

DATA CATEGORY NAME :Wildlife -  
game mammals, habitat, fish spawning grounds, over-  
wintering sites

DATA CATEGORY NAME :Infrastructure -  
building sites, pipelines, roads  
GEOGRAPHIC COVERAGE :Barrow and villages

DATA CATEGORY NAME :Land records -  
land ownership, mineral right, legal records  
COMMENTS :Part of the Land Records System, to be compatible  
with the GIS

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AK003-01

CODE :AL001-01

STATE :AL  
DATA BASE NAME :AL Resource Information System  
DATA BASE ACRONYM :ARIS  
SUBJECT COVERAGE :Land use/land cover, floodplains, soils, transportation,  
base data  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :AL Department of Economic and Community Affairs  
RESPONDENT :Walter Stevenson  
AL Resource Information System  
AL Department of Economic and Community Affairs  
Office of State Planning and Federal Programs  
Montgomery, AL 36130  
Telephone: 205-832-3823

#### COMPUTER FACILITIES

COMPUTER(S) :HP 3000 Model 44  
IBM 3032  
RESIDENCE :In-house (HP 3000 Model 44); Auburn University (IBM  
3032)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 1MB  
Disc storage: 750 MB  
Simultaneous users supported: 24  
SPECIALIZED SOFTWARE :ELAS  
ESRI GRID  
AUTOMAP  
PERIPHERAL DEVICES :Medium speed line printer, 60x40 digitizer  
(1/1000th-inch accuracy), 22" electrostatic  
plotter, Comptal Image Display System

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)  
DATA STORAGE FORMAT :Grid cell

DATA CATEGORY NAME :Floodplains  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)  
DATA STORAGE FORMAT :Grid

DATA CATEGORY NAME :Soils data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)  
DATA STORAGE FORMAT :Grid cell

DATA CATEGORY NAME :Base data -  
1970 census county divisions, county boundaries,  
hydrologic regions, minor watersheds  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)  
DATA STORAGE FORMAT :Grid cell

DATA CATEGORY NAME :Topography  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :500-meter cell  
DATA STORAGE FORMAT :Grid cell  
COMMENTS :Data are currently be converted to 250-meter cell  
resolution

DATA CATEGORY NAME :Transportation  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)  
DATA STORAGE FORMAT :Grid cell

DOCUMENTATION : "Introduction to ARIS"; no recent descriptive  
documentation available  
DATE OF INFORMATION :9/13/83  
PAPER FILE NUMBER :AL99

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AL001-01

CODE :AL002-01

STATE :AL  
 DATA BASE NAME :Statewide Digital Data Base  
 SUBJECT COVERAGE :Land cover/land use, boundaries, and base data  
                   :Includes all digital map data available through USGS  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :AL Power Company  
 RESPONDENT :Dennis Boston, Engineer  
             AL Power Company  
             GSC Building 7  
             PO Box 2641  
             Birmingham, AL 35219  
             Telephone: 205-664-6109  
 OTHER CONTACTS :Roy Teal, Engineer (user services and products)  
                   Telephone: 205-664-6106  
                   Lum Loo, Engineer (computer operations)  
                   Telephone: 205-664-6111

#### COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/750  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :VMS 3.4  
 SYSTEM CAPACITY :Main memory: 4.25 Meg  
                   Disc storage: 912 Meg  
                   Simultaneous users supported: >10  
 LANGUAGE(S) :FORTRAN  
 SPECIALIZED SOFTWARE :CMTOURING  
                       VOLUMETRICS  
                       FOMS Management System  
                       DATATRIEVE  
 PERIPHERAL DEVICES :Monochrome graphics CRT's (4), tablet-free cursor  
                       digitizers (2), color dot matrix printer with  
                       graphics, electrostatic plotter, drum pen plotter,  
                       alphanumeric CRT's (6)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :land use/land cover  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
                       State Plane Coordinates  
 DATA STORAGE FORMAT :Polygon, arc/node  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, interactive  
                   video display capability, computer tape  
 DATA SOURCES :Secondary  
 CLASSIFICATION :USGS

#### COMMENTS

:Data purchased on 9-track tapes from O&S

DATA CATEGORY NAME :Boundaries -  
                       counties, townships, property lines, section corners  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
                       State Plane Coordinates  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, interactive  
                   video display capability, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Control points -  
                       AL Power control points, NGS control points,  
                       AL By-Products Corp. control points  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
                       State Plane Coordinates  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, interactive  
                   video display capability, computer tape  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous

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USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :11/14/83  
 PAPER FILE NUMBER :AL14

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AL002-01

CODE :AL003-01

STATE :AL  
DATA BASE NAME :RUN WILD  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The Game and Fish Division has a tape copy, print-out,  
and listing of the RUN WILD data file prepared by the  
RELU Team in West Virginia. They do not have this on  
their computer at the present time since the program will  
have to be rewritten for available hardware.  
AGENCY :AL Game and Fish Division  
RESPONDENT :C. E. White, Jr., Assistant Chief, Fisheries Section  
Game and Fish Division  
AL Department of Conservation and Natural Resources  
64 North Union Street  
Montgomery, AL 36130

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
species, habitat factors, vegetation, drainage  
systems, management information  
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :AL6

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CODE :AR001-01

STATE :AR  
DATA BASE NAME :AR Natural Heritage Inventory  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Arkansas and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :AR Natural Heritage Inventory  
RESPONDENT :Ken Smith, Coordinator/Zoologist  
AR Natural Heritage Inventory  
Continental Building, Room 514  
100 Main  
Little Rock, AR 72201  
Telephone: 501-371-1706  
OTHER CONTACTS :Donna Etchleson, Data Manager  
Ira Wein, Data Handler  
Bill Pell, Plant Ecologist  
Joel Rettig  
Shelley Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION : 1/21/83  
PAPER FILE NUMBER :ARI

ORIGINAL PAGE IS  
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AR001-01

CODE :AZ001-01

STATE :AZ  
 DATA BASE NAME :AZ Vegetation Inventory  
 SUBJECT COVERAGE :Vegetation species/association or type (volume can be modelled); statistical acreage tables of vegetation type by any combination of Township/Range/Section, ownership, etc.; crown closure for forests and woodlands  
 GEOGRAPHIC COVERAGE :All areas of significant state trust and private land in Arizona; some National Forest areas will likely be mapped in the future  
 AGENCY :AZ State Land Department  
 RESPONDENT :Paul A. Tessor, Director  
 Computer Resources Division  
 AZ State Land Department  
 1624 W. Adams St.  
 Phoenix, AZ 85007  
 Telephone: 602-255-4061  
 OTHER CONTACTS :Steve Miller, Applications Specialist  
 :Clem Henriksen, GIS Programmer  
 :Bob Miner, Systems Manager

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 550  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS, Rev. 18.3  
 SYSTEM CAPACITY :Main memory: 1MB  
 Disc storage: 300MB  
 Simultaneous users supported: 32  
 LANGUAGE(S) :FORTRAN  
 CPL  
 SPECIALIZED SOFTWARE :ESRI/GIS  
 Tektronix IGL  
 CCSI-Plot  
 DTAP  
 ELAS  
 LINAP  
 INFO  
 PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display, tablet-free cursor digitizer, line printer, dot and color dot matrix printers with graphics, drum pen plotter, 1 hard copy terminal, 25 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -

species association, species type, crown closure - forests, crown closure - woodlands, land cover, statistical acreages  
 GEOGRAPHIC COVERAGE :State trust and private lands in Arizona  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 Public Land Survey  
 MINIMUM RESOLUTION :50-meter cell (0.61 acre)  
 DATA STORAGE FORMAT :Grid, tabular  
 OUTPUT PRODUCTS :Maps (variable scale, standard product 1:38,000), tables, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Will begin update mode when completed; variable schedule likely, dependant on expected changes  
 CLASSIFICATION :"Native Vegetation Communities of Arizona" provides nomenclature for tagging

DATA CATEGORY NAME :land cover -  
 barren land, forest land, rangeland, water, cropland, urban/built-up  
 GEOGRAPHIC COVERAGE :State trust and private lands in Arizona  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 Public Land Survey  
 MINIMUM RESOLUTION :50-meter cell (0.61 acre)  
 DATA STORAGE FORMAT :Grid, tabular  
 OUTPUT PRODUCTS :Maps (variable scale, standard product 1:38,000), tables, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Will begin update mode when completed; variable schedule likely, dependant upon expected changes

USER FEES POLICY :Supplies, materials in kind  
 DATE OF INFORMATION :6/6/83  
 PAPER FILE NUMBER :A21

ORIGINAL PAGE IS  
 OF POOR QUALITY

AZ001-01

CODE :AZ001-02

STATE :AZ  
DATA BASE NAME :Digital Topo Database  
SUBJECT COVERAGE :Topography (elevation); slope and aspect can be computed;  
can also calculate solar insolation, areas visible from a  
point, 3-dimensional perspectives, etc.  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :AZ State Land Department  
RESPONDENT :Paul A. Tesser, Director  
Computer Resources Division  
AZ State Land Department  
1624 W. Adams St.  
Phoenix, AZ 85007  
Telephone: 602-255-4061  
OTHER CONTACTS :Steve Miller, Applications Specialist  
:Clem Henriksen, GIS Programmer  
:Bob Miner, Systems Manager

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 550  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMS, Rev. 18.3  
SYSTEM CAPACITY :Main memory: 1MB  
Disc storage: 300MB  
Simultaneous users supported: 32  
LANGUAGE(S) :FORTRAN  
CPL  
SPECIALIZED SOFTWARE :ESRI/GIS  
Tektronix IGL  
CCSI-Plot  
DTAP  
ELAS  
LINAP  
INFO  
PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display,  
tablet-free cursor digitizer, line printer, dot  
and color dot matrix printers with graphics, drum  
pen plotter, 1 hard copy terminal, 25 alphanumeric  
CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Topography -  
elevation  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude

MINIMUM RESOLUTION :3 arc second-squared cells (approximately 250' x  
300'); elevation vertically interpolated to nearest  
meter  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (variable scale, standard product 1:38,000),  
computer tape, modelling capability, composite map-  
ping, interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate

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USER FEES POLICY :Supplies, materials in kind  
DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :AZ1

ORIGINAL PAGE IS  
OF POOR QUALITY



CODE :AZ001-03

STATE :AZ  
DATA BASE NAME :Landlines Database  
SUBJECT COVERAGE :Section line boundaries  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Under development (4 of 34 one-degree blocks completed)  
AGENCY :AZ State Land Department  
RESPONDENT :Paul A. Tassar, Director  
Computer Resources Division  
AZ State Land Department  
1624 W. Adams St.  
Phoenix, AZ 85007  
Telephone: 602-255-4061  
OTHER CONTACTS :Steve Miller, Applications Specialist  
:Clam Henriksen, GIS Programmer  
:Bob Minor, Systems Manager

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 550  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS, Rev. 18.3  
SYSTEM CAPACITY :Main memory: 1MB  
Disc storage: 300MB  
Simultaneous users supported: 32  
LANGUAGE(S) :FORTRAN  
CPL  
SPECIALIZED SOFTWARE :ESRI/GIS  
Tektronix IGL  
CCSI-Plot  
DTAP  
ELAS  
LINAP  
INFO  
PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display,  
tablet-free cursor digitizer, line printer, dot  
and color dot matrix printers with graphics, drum  
pen plotter, 1 hard copy terminal, 25 alphanumeric  
CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries -  
section lines  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
Public Land Survey

MINIMUM RESOLUTION :Coordinates (in meters) are plus or minus 40', or  
plus or minus 100', depending on the source  
DATA STORAGE FORMAT :Grid, polygon, arc/node, coordinate point, tabular  
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, model-  
ling capability, statistical summaries, composite  
mapping, interactive video display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
COMMENTS :Attribute data includes Township/Range/Section, sur-  
vey base, county, centroid coordinates (UTM), and com-  
puted acreage; ownership category is being added for  
Trust Lands statewide, and for other lands included  
in the AZ Vegetation Inventory data base

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USER :SES POLICY :Supplies, materials in kind  
DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :AZ1

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AZ001-03

CODE :AZ001-04

STATE :AZ  
DATA BASE NAME :AZ Land Resource Information System  
DATA BASE ACRONYM :ALRIS  
SUBJECT COVERAGE :Boundaries  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Individual projects dealing with a variety of subject  
matters will utilize ALRIS capabilities  
AGENCY :AZ State Land Department  
RESPONDENT :Paul A. Tassar, Director  
Computer Resources Division  
AZ State Land Department  
1624 W. Adams St.  
Phoenix, AZ 85007  
Telephone: 602-255-4061  
OTHER CONTACTS :Steve Miller, Applications Specialist  
:Clem Henriksen, GIS Programmer  
:Bob Miner, Systems Manager

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 550  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS, Rev. 18.3  
SYSTEM CAPACITY :Main memory: 1MB  
Disc storage: 300MB  
Simultaneous users supported: 32  
LANGUAGE(S) :FORTRAN  
CPL  
SPECIALIZED SOFTWARE :ESRI/GIS  
Tektronix IGL  
CCSI-Plot  
DTAP  
ELAS  
LIMAP  
INFO  
PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display,  
tablet-free cursor digitizer, line printer, dot  
and color dot matrix printers with graphics, drum  
pen plotter, 1 hard copy terminal, 25 alphanumeric  
CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries -  
state, counties, census tract, enumerating districts  
GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :Points, lines, arcs, polygons, etc., in meters  
DATA STORAGE FORMAT :Polygon, arc/node, coordinate point  
OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capa-  
bility, statistical summaries, composite mapping,  
interactive video display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :As needed

USER FEES POLICY :Supplies, materials in kind  
DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :AZ1

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CODE :AZ002-01

UPDATE FREQUENCY  
CONFIDENTIALITY

:Annually  
:Data access subject to owner appeals in administrative  
hearings or district court  
:Highly vegetated (i.e. crops); moderately vegetated  
(i.e. woods or natural vegetation); sparsely vege-  
tated (i.e. native desert)

CLASSIFICATION

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DATE OF INFORMATION :8/30/83  
PAPER FILE NUMBER :AZ5

STATE :AZ  
DATA BASE NAME :Landsat Crop Inventory  
SUBJECT COVERAGE :Agriculture  
GEOGRAPHIC COVERAGE :South central Arizona  
AGENCY :AZ Department of Water Resources  
RESPONDENT :Robert Kelly, Remote Sensing Scientist  
AZ Department of Water Resources  
99 East Virginia Avenue  
Phoenix, AZ 85004  
Telephone: 602-255-1566  
OTHER CONTACTS :Frank Secundo, Data Processing Manager  
Telephone: 602-255-1550  
:Ves Stienner, Director  
Telephone: 602-255-1540

COMPUTER FACILITIES

COMPUTER(S) :MAGNUSON  
RESIDENCE :In-house  
OPERATION :Batch  
CIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MVS  
SYSTEM CAPACITY :Main memory: 800MB  
Disc storage: 12,000MB  
LANGUAGE(S) :FORTRAN IV  
COBOL  
SPECIALIZED SOFTWARE :VICAR/IBIS  
SPSS  
PERIPHERAL DEVICES :black and white CRT, mechanical digitizer, line  
printer, drum pen plotter, 3 hard copy terminals,  
15 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture -  
data of crop activities, owner, water rights, crop  
type, well/water source  
GEOGRAPHIC COVERAGE :South central Arizona (Pinal and Santa Cruz counties,  
major portions of Gila, Maricopa, and Pima counties,  
and the western edges of Cochise and Graham counties)  
GEOGRAPHIC REFERENCE :Public Land Survey, converted into grid cells  
Ad hoc grid, unreferenced  
MINIMUM RESOLUTION :Pixel (1.1 acre)  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, com-  
posite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High

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AZ002-01

CODE :AZ003-01

STATE :AZ  
DATA BASE NAME :AZ Natural Heritage Program  
SUBJECT COVERAGE :Natural diversity elements, wildlife  
GEOGRAPHIC COVERAGE :Statewide and borderlands  
AGENCY :AZ Game and Fish Department  
RESPONDENT :Terry D. Johnson, Nongame Branch Supervisor  
AZ Game and Fish Department  
2222 West Greenway Road  
Phoenix, AZ 85023  
Telephone: 602-942-3000

GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
MINIMUM RESOLUTION :Site specific; one square mile; by township; by  
county; by ownership unit; by watershed or river basin  
DATA STORAGE FORMAT :Polygon; coordinate point  
OUTPUT PRODUCTS :Computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously  
CONFIDENTIALITY :Data on certain threatened/endangered species are  
subject to restricted access

COMPUTER FACILITIES

COMPUTER(S) :HP 3000  
RESIDENCE :Arizona Industrial Management Systems, Inc.  
P.O. Box 27822  
Tempe, AZ 85282  
OPERATION :Interactive  
GIS CAPABILITY :Yes

USER FEES POLICY :No policy established  
DATE OF INFORMATION :9/1/83  
PAPER FILE NUMBER :A26

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, color ink-jet

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
special animals, special plants, unique geologic  
features, aquatic types  
GEOGRAPHIC COVERAGE :Statewide and borderlands  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
MINIMUM RESOLUTION :Site specific; one square mile; by township; by  
county; by ownership unit; by watershed or river basin  
DATA STORAGE FORMAT :Polygon; coordinate point  
OUTPUT PRODUCTS :Computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously  
CONFIDENTIALITY :Data on certain threatened/endangered species are  
subject to restricted access  
CLASSIFICATION :In-house plant community classification is an adapta-  
tion of Brown-Loue-Pase system

DATA CATEGORY NAME :Wildlife -  
non-game mammals, non-game birds, non-game fish,  
non-game reptiles/amphibians, habitat, threatened  
species, endangered species  
GEOGRAPHIC COVERAGE :Statewide and borderlands

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AZ003-01

CODE :CA001-01

UPDATE FREQUENCY

:Every seven years, depending on the area (approximately 1/7 of the state covered each year)  
: "Standard Land Use Legend" developed by the CA Department of Water Resources

CLASSIFICATION

DATA CATEGORY NAME

:Boundaries -  
:state, counties, river basins

GEOGRAPHIC COVERAGE

:Statewide

GEOGRAPHIC REFERENCE

:County

MINIMUM RESOLUTION

:By river basin, by county, 2-5 acres, or site specific

DATA STORAGE FORMAT

:Polygon, coordinate point

OUTPUT PRODUCTS

:Maps (variable scale), tables, computer tape, statistical summaries (acreage), composite mapping, interactive video display capability

DATA SOURCES

:Primary

LEVEL OF RELIABILITY

:High

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DOCUMENTATION

:Bulletin No. 176, "Land Use in California: An Index to Surveys Conducted by the California Department of Water Resources, 1950-1970"

USER FEES POLICY

:Fees charged on a cost recovery basis

DATE OF INFORMATION

:6/27/83

PAPER FILE NUMBER

:CA2

STATE :CA  
DATA BASE NAME :Land use  
SUBJECT COVERAGE :Land use and boundaries  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :CA Department of Water Resources  
RESPONDENT :Glenn B. Sawyer, Chief  
Water Conservation and Use Section  
CA Department of Water Resources  
Resources Building  
1416 9th Street  
P.O. Box 388  
Sacramento, CA 95802  
Telephone: 916-445-6746  
OTHER CONTACTS :William H. Frye, Chief  
Computer Services Division  
Telephone: 916-445-2296

#### COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/70  
MC 68000 on MIDAS system  
CDC CYBER 720  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC  
COBOL  
SPECIALIZED SOFTWARE :Mizar package  
PERIPHERAL DEVICES :MIDAS Processor for Landsat data, color image display, 4 Intergraph digitizers, line printer, dot and color dot matrix printers with graphics, color ink-jet, electrostatic plotter, drum pen plotter, 10 hard copy terminals, 30 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
cropland, urban/built-up, recreation, cultural areas  
(historical)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
MINIMUM RESOLUTION :By river basin, by county, 2-5 acres, or site specific  
DATA STORAGE FORMAT :Polygon, coordinate point  
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries (acreage), composite mapping, interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High

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CA001-01

CODE :CA001-02

Department of Water Resources

STATE :CA  
DATA BASE NAME :Land Classification  
SUBJECT COVERAGE :Suitability for irrigated agriculture  
GEOGRAPHIC COVERAGE :Northern and Central California  
AGENCY :CA Department of Water Resources  
RESPONDENT :Glenn B. Sawyer, Chief  
Water Conservation and Use Section  
CA Department of Water Resources  
Resources Building  
1416 9th Street  
P.O. Box 388  
Sacramento, CA 95802  
Telephone: 916-445-6746  
OTHER CONTACTS :William H. Frye, Chief  
Computer Services Division  
Telephone: 916-445-2296

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/70  
MC 68000 on MIDAS system  
CDC CYBER 720  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC  
COBOL  
SPECIALIZED SOFTWARE :Mizar package  
PERIPHERAL DEVICES :MIDAS processor for Landsat data, color image  
display, 4 Intergraph digitizers, line printer,  
dot and color dot matrix printers with graphics,  
color ink-jet, electrostatic plotter, drum pen  
plotter, flatbed pen plotter, 10 hard copy ter-  
minals, 30 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture -  
suitability for irrigation, slope, soil depth,  
texture, salinity, microrelief  
GEOGRAPHIC COVERAGE :Northern and Central California  
GEOGRAPHIC REFERENCE :USGS 1:24,000 quads  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Grid, USGS quads  
OUTPUT PRODUCTS :Maps (1:24,000), computer tape, computer printouts  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :One time only  
CLASSIFICATION :"Standard Land Use Legend" developed by the California

DOCUMENTATION :Bulletin No. 176, "Land Use in California: An Index  
to Surveys Conducted by the California Department of  
Water Resources, 1950-1970"  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :6/27/83  
PAPER FILE NUMBER :CA2

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CA001-02

CODE :CA001-03

STATE :CA  
DATA BASE NAME :Vegetation Water Use Program  
SUBJECT COVERAGE :Estimates of crop growing season evapotranspiration,  
evapotranspiration of applied water, and applied water  
requirements for the principal irrigated crops grown  
in nine zones in the state  
GEOGRAPHIC COVERAGE :Statewide, by evaporative demand zone (9 of 11 zones)  
AGENCY :CA Department of Water Resources  
RESPONDENT :Glenn B. Sawyer, Chief  
Water Conservation and Use Section  
CA Department of Water Resources  
Resources Building  
1416 9th Street  
P.O. Box 388  
Sacramento, CA 95802  
Telephone: 916-445-6746  
OTHER CONTACTS :William H. Frye, Chief  
Computer Services Division  
Telephone: 916-445-2296

#### COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/70  
Motorola 68000 on MIDAS system  
CDC CYBER 720  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC  
COBOL  
SPECIALIZED SOFTWARE :Mizar package  
PERIPHERAL DEVICES :MIDAS processor for Landsat data, color image  
display, 4 Intergraph digitizers, line printer,  
dot and color dot matrix printers with graphics,  
color-ink jet, electrostatic plotter, drum pen  
plotter, flatbed pen plotter, 10 hard copy ter-  
minals, 30 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation water use -  
pan evaporation, net atmometer evaporation, incoming  
solar radiation, potential evapotranspiration  
GEOGRAPHIC COVERAGE :Statewide (9 of 11 evaporative demand zones)  
GEOGRAPHIC REFERENCE :Evaporative demand zone  
MINIMUM RESOLUTION :Site specific (agroclimatic/solar radiation stations)  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, summary statistics, modelling capability

DATA SOURCES :Primary  
UPDATE FREQUENCY :One time only  
COMMENTS :Study completed in 1974

DOCUMENTATION :Bulletin No. 113-3, "Vegetative Water Use in California,  
1974"  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :6/27/83  
PAPER FILE NUMBER :CA2

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CA001-03

CODE :CA002-01

STATE :CA  
DATA BASE NAME :CA Statewide Soils Information System  
SUBJECT COVERAGE :Digitized soils maps  
GEOGRAPHIC COVERAGE :Santa Cruz County, Rocklin Quad; statewide eventually  
STATUS :Under development  
AGENCY :CA Department of Conservation  
RESPONDENT :Dorothy M. Korematsu, Graduate Research Assistant  
CA Department of Conservation  
717 K Street, Suite 501  
Sacramento, CA 95814  
Telephone: 916-324-0865  
OTHER CONTACTS :Harry Nefford, Acting Director  
1320 Resources Building  
1416 9th Street  
Telephone: 916-322-1080

COMPUTER FACILITIES

COMPUTER(S) :INTERGRAPH  
DEC PDP 11/70  
IBM 370/168  
RESIDENCE :Use central government computer center and CA  
Department of Water Resources' Intergraph  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler  
PERIPHERAL DEVICES :3 monochrome graphics CRTs, 1 tablet-free cursor  
digitizer, electrostatic plotter, drum pen plot-  
ter, 1 hard copy terminal, 1 alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils data  
GEOGRAPHIC COVERAGE :Santa Cruz County, Rocklin Quad  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
MINIMUM RESOLUTION :Soil unit at 1 acre  
DATA STORAGE FORMAT :Polygon  
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
tape, statistical summaries, composite mapping, inter-  
active video display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Every 5 years

DOCUMENTATION :General information available  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :6/15/83  
PAPER FILE NUMBER :CA4

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CODE :CA003-01

COMMENTS

:Cooperative effort between the CA Association of Resource Conservation Districts (CARCD), USDA Soil Conservation Service, and CA Department of Conservation (lead agency)

STATE :CA  
DATA BASE NAME :Farmland Mapping and Monitoring Program  
SUBJECT COVERAGE :Agricultural land classification  
GEOGRAPHIC COVERAGE :38 counties (where modern soil surveys have been published)  
AGENCY :CA Department of Conservation  
RESPONDENT :Jeff Manner, Programmer/Analyst  
CA Department of Conservation  
1516 9th Street, #400  
Sacramento, CA 95814  
Telephone: 916-324-0859  
OTHER CONTACTS :Marty McIferd, Acting Director  
1320 Resources Building  
1416 9th Street  
Telephone: 916-322-1080

DOCUMENTATION :Brochure: "The Farmland Mapping and Monitoring Program"  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :5/31/83  
PAPER FILE NUMBER :CA9

COMPUTER FACILITIES

COMPUTER(S) :INTERGRAPH  
DEC PDP 11/70  
IBM 370/168  
RESIDENCE :Use central government computer center and CA  
Department of Water Resources' Intergraph  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (3), tablet-free cursor  
digitizer, electrostatic plotter, drum pen plotter,  
hard copy terminal, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture -  
prime farmland, rangeland, unique farmland, statewide  
important farmland, urban areas, local important farmland  
GEOGRAPHIC COVERAGE :38 counties  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :10 acres (approximately)  
DATA STORAGE FORMAT :Polygon  
OUTPUT PRODUCTS :Maps (variable scale; maps published at 1:100,000),  
tables, graphics, computer tape, statistical summaries,  
composite mapping, interactive video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annually  
CLASSIFICATION :Prime and statewide important farmlands defined by the  
USDA Soil Conservation Service; local and unique farmlands  
defined by county advisory groups for all major agricultural land uses

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CA003-01

CODE :CA004-01

STATE :CA  
 DATA BASE NAME :Bay Area Spatial Information System  
 DATA BASE ACRONYM :BASIS  
 SUBJECT COVERAGE :Natural environment, political/administrative units, transportation, land use, and hazards  
 GEOGRAPHIC COVERAGE :San Francisco Bay Region (nine counties)  
 STATUS :Geogroup maintains BASIS under contract to the Association of Bay Area Governments  
 AGENCY :Association of Bay Area Governments (ABAG)  
 RESPONDENT :Paul N. Wilson, President  
 Geogroup Corporation  
 2437 Durant Avenue  
 Berkeley, CA 94704  
 Telephone: 415-845-8044  
 OTHER CONTACTS :Revan A. F. Tranter, Executive Director  
 Association of Bay Area Governments  
 Telephone: 415-841-9730

#### COMPUTER FACILITIES

COMPUTER(S) :Convergent Technologies IMS  
 RESIDENCE :Geogroup's computer facilities  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :CTOS  
 SYSTEM CAPACITY :Main memory: 256K  
 Disc storage: 20M  
 Simultaneous users supported: 4  
 LANGUAGE(S) :FORTRAN  
 Assembler  
 PERIPHERAL DEVICES :2 monochrome graphics CRT's, 1 tablet-free cursor digitizer, dot and color dot matrix printers with graphics, electrostatic plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural environment - bay coastline, ocean coastline, bay water depths, elevation, geologic materials, hydrography, marshes, precipitation, slope, aspect, soil associations, wind speed  
 GEOGRAPHIC COVERAGE :San Francisco Bay Region  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 State Plane Coordinates  
 MINIMUM RESOLUTION :Hectare  
 DATA STORAGE FORMAT :Grid, arc/node  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer

DATA SOURCES :tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 LEVEL OF RELIABILITY :Primary and secondary  
 UPDATE FREQUENCY :Moderate  
 :As needed

DATA CATEGORY NAME :Boundaries - city spheres of influence (LAFCO's), sewage districts, solid waste collection areas, transportation zones, urban boundaries, water districts, zip codes  
 GEOGRAPHIC COVERAGE :San Francisco Bay Region  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 State Plane Coordinates  
 MINIMUM RESOLUTION :Hectare  
 DATA STORAGE FORMAT :Grid, arc/node  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability

DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed

DATA CATEGORY NAME :Transportation - bridges/overpasses, electric power lines, gas pipelines, highways, petroleum pipelines, street network (DIME) files, water aqueducts  
 GEOGRAPHIC COVERAGE :San Francisco Bay Region  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 State Plane Coordinates  
 MINIMUM RESOLUTION :Hectare  
 DATA STORAGE FORMAT :Grid, arc/node  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability

DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed

DATA CATEGORY NAME :Land use - airports, airport runways, hazardous waste sites, industrial sites, landsat ecozones, landsat land cover, seaports, sewage treatment plants  
 GEOGRAPHIC COVERAGE :San Francisco Bay Region

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CA004-01

CODE :CA005-01

GEOGRAPHIC REFERENCE :Latitude/longitude  
:Universal Transverse Mercator  
:State Plane Coordinates

MINIMUM RESOLUTION :Hectare  
DATA STORAGE FORMAT :Grid, arc/node  
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
:tape, modelling capability, statistical summaries,  
:composite mapping, interactive video display capa-  
:bility

DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :As needed

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DATA CATEGORY NAME :Hazards -  
:air pollutants, airport noise zones, dam failure  
:inundation areas, earthquake intensity (maximum),  
:earthquake risk (concrete and steel buildings),  
:earthquake risk (tilt-up buildings), earthquake risk  
:(wood buildings), fault study zones, fault traces,  
:flood plains (FEMA-NFIP), flood plains (USGS),  
:landslide susceptibility (earthquake-induced),  
:landslide susceptibility (rainfall-induced), land-  
:slides, liquefaction potential, liquefaction sus-  
:ceptibility, slope stability, tsunami inundation areas

GEOGRAPHIC COVERAGE :San Francisco Bay Region  
GEOGRAPHIC REFERENCE :Latitude/longitude  
:Universal Transverse Mercator  
:State Plane Coordinates

MINIMUM RESOLUTION :Hectare  
DATA STORAGE FORMAT :Grid, arc/node  
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
:tape, modelling capability, statistical summaries,  
:composite mapping, interactive video display capa-  
:bility

DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :As needed

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DOCUMENTATION :General and data type information available  
USER FEES POLICY :Fees charged for all products and services according to  
:a fee schedule  
DATE OF INFORMATION :5/31/83  
PAPER FILE NUMBER :CA7

STATE :CA  
DATA BASE NAME :CA Natural Diversity Database  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort be-  
:tween the State of California and The Nature Conservancy,  
:a national nonprofit conservation organization.

AGENCY :CA Natural Diversity Database  
RESPONDENT :Korean Brown, Coordinator  
:CA Natural Diversity Database  
:c/o CA Department of Fish and Game  
:1416 9th Street  
:Sacramento, CA 95814  
:Telephone: 916-322-2493

OTHER CONTACTS :Audrey Borden, Data Handler  
:Blair Cauti, Zoologist  
:Susan Cochran, Botanist  
:Deb Jensen, Plant Ecologist  
:Suzanne Wall, Data Handler  
:John Ellison, Aquatic Ecologist  
:Shellie Goreau, Procedures Specialist  
:The Nature Conservancy  
:1800 North Kent Street  
:Arlington, VA 22209  
:Telephone: 703-841-5300

#### COMPUTER FACILITIES

COMPUTER(S) :INTERGRAPH

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
:ecological values (plant and animal species, plant  
:communities, aquatic systems, critical habitats and  
:other natural features) of particular interest because  
:they are exemplary, rare, or endangered at the state  
:or national level

GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter avail-  
:able through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :CA99

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CA004-01  
(cont.)  
CA005-01

CODE :C0001-01

line printer, small flatbed pen plotter (Grand Junction office), 6 hard copy terminals (2 in Denver, 4 in regional offices), 1 alphanumeric CRT

STATE :CO  
 DATA BASE NAME :Wildlife Resource Information System  
 DATA BASE ACRONYM :WRIS  
 SUBJECT COVERAGE :Critical habitats, biological features, endangered fish, streams and lakes in Colorado  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This information system contains several textual data bases with geographical components:  
 (1) Scientific Collection Permit Database (SCICOLL)  
 (2) Colorado Wildlife Species Database (PWBMSF)  
 (3) Latilong Database (WILDATA)  
 (4) Endangered Fish Data (DMMVERP)  
 (5) Stream Database (STRBANK)  
 (6) Lake Database (LAKES)  
 AGENCY :CO Department of Natural Resources  
 RESPONDENT :Don Schrupp, Wildlife Inventory Coordinator  
 Division of Wildlife, Ecological Services Section  
 CO Department of Natural Resources  
 6060 N. Broadway  
 Denver, CO 80216  
 Telephone: 303-297-1192, Ext. 275

#### COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 170-720  
 CDC CYBER 6400  
 RESIDENCE :Colorado State University and University of Colorado  
 OPERATION :Batch and Interactive  
 GTS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :CDC NOS (Network Operating System)  
 LANGUAGE(S) :FORTRAN  
 Assembler  
 BASIC  
 PASCAL  
 COBOL  
 SNOBOL  
 LISP  
 COMPASS  
 API  
 SPECIALIZED SOFTWARE :CALCOMP Routines  
 SAGIS software (GIS)  
 FMS/MANAGE  
 INSL  
 SPSS  
 MINITAB  
 PERIPHERAL DEVICES :6 Tektronix 4010s and 4012s (2 in Denver, 4 in regional offices), 5 Tektronix 4954 digitizers (2 in Denver, 3 in regional offices), Decwriter 11

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - mammals, birds, fish, reptiles, amphibians, populations, critical habitat, threatened, endangered, biological features  
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately two-thirds of the state complete to date  
 GEOGRAPHIC REFERENCE :latitude/longitude  
 State Plane Coordinates  
 Ad hoc grid, unreferenced  
 By Game Management Unit  
 MINIMUM RESOLUTION :Site specific; 1 acre; 2-5 acres; 10 acres; 40 acres; 160 acres; 1 square mile; by township; by county; by game management unit; by watershed or river basin  
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Varies  
 CONFIDENTIALITY :Restricted access to threatened and endangered species information; peregrine nest information restricted  
 COMMENTS :Cooperative project with U.S. Fish and Wildlife Service

DATA CATEGORY NAME :Surface water hydrology - streams, lakes  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific; by township; by county; by game management unit; by watershed or river basin  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, interactive video display  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Varies (weekly, monthly, annually, every 5 years)

DOCUMENTATION :Evolution of the Colorado Division of Wildlife's Inventory System  
 USER FEES POLICY :Fees charged for all products and services on a cost recovery basis  
 DATE OF INFORMATION :6/24/83  
 PAPER FILE NUMBER :C01

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C0001-01

CODE :C0002-01

STATE :CO  
 DATA BASE NAME :CO Resource Information System  
 DATA BASE ACRONYM :CRIS  
 SUBJECT COVERAGE :Energy resources, geology, surface water hydrology, land use/land cover, soils data, archaeological sites, wildlife  
 GEOGRAPHIC COVERAGE :Twelve counties in northwest Colorado  
 STATUS :Status unknown  
 AGENCY :CO Department of Natural Resources  
 RESPONDENT :Kim Koulet, Program Manager  
 CO Department of Natural Resources  
 718 State Centennial Building  
 1313 Sherman Street  
 Denver, CO 80203  
 Telephone: 303-866-3337  
 OTHER CONTACTS :Steve Norris  
 Ron Cattany, Assistant Director  
 303-866-3311

#### COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 170  
 RESIDENCE :Colorado State University  
 OPERATION :Batch  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :1 monochrome graphics CRT, 1 alphanumeric CRT

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy resources - petroleum, natural gas, oil shale, uranium, coal, coal mines, tract ownership (coal), tract ownership (shale), uranium mines, production forecasts, active oil & gas fields, proposed lease sites  
 GEOGRAPHIC COVERAGE :Twelve counties of northwest Colorado (Delta, Eagle, Garfield, Grand, Gunnison, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :500-meter cell; by county; by ownership unit  
 DATA STORAGE FORMAT :Grid, polygon, tabular  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate

ORIGINAL PAGE 13  
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DATA CATEGORY NAME :Geology  
 GEOGRAPHIC COVERAGE :Ten counties in northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :By management unit; by county  
 DATA STORAGE FORMAT :Grid, polygon, tabular  
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary

DATA CATEGORY NAME :Surface water hydrology - streams, lakes, fish, threatened species, endangered species, habitat, reservoirs, rivers  
 GEOGRAPHIC COVERAGE :Ten counties in northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :By county; by management unit; by watershed or river basin  
 DATA STORAGE FORMAT :Grid, polygon  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, composite mapping  
 DATA SOURCES :Secondary

DATA CATEGORY NAME :Land use/land cover - roads, wilderness, cities, agriculture, rangeland, ownership, urban development, archaeological sites  
 GEOGRAPHIC COVERAGE :Ten counties in Northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)

DATA CATEGORY NAME :Soils data  
 GEOGRAPHIC COVERAGE :Ten counties in northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)

DATA CATEGORY NAME :Archaeological sites  
 GEOGRAPHIC COVERAGE :Three counties in northwest Colorado (Moffat, Rio Blanco and Routt)  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 DATA SOURCES :Secondary

C0002-01

LEVEL OF RELIABILITY :Moderate  
CONFIDENTIALITY :Site specific locations for sites on federal land are  
protected by the Archaeological Resources and Protec-  
tion Act of 1979  
COMMENTS :Refer to CO Inventory of Cultural Resources (Code:  
C0003-01) for details

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DATA CATEGORY NAME :Wildlife  
GEOGRAPHIC COVERAGE :Twelve counties in northwest Colorado (Delta, Eagle,  
Garfield, Grand, Gunnison, Jackson, Mesa, Moffat,  
Pitkin, Rio Blanco, Routt, Summit)  
DATA SOURCES :Secondary  
CONFIDENTIALITY :Restricted access to threatened and endangered species  
information  
COMMENTS :Refer to Wildlife Resources Information System (Code:  
C0001-01) for details

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DOCUMENTATION :General information available; CORSTAT File printout;  
documentation on software and data assessment procedures  
is being developed  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :C02

ORIGINAL PAGE 13  
OF POOR QUALITY

CODE :C0003-01

CODE :C0004-01

STATE :CO  
 DATA BASE NAME :CO Inventory of Cultural Resources  
 SUBJECT COVERAGE :Archaeological and historic site data  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :CO Historical Society  
 RESPONDENT :Nancy Gauss, Chief  
 Information Management  
 CO Preservation Office  
 CO Historical Society  
 1300 Broadway  
 Denver, CO 80203  
 Telephone: 303-866-3394  
 OTHER CONTACTS :Barbara Sudler  
 Acting State Historic Preservation Officer  
 Telephone: 303-866-3392

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 720  
 RESIDENCE :Colorado State University Computer Center  
 OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :One Texas Instruments 700 hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural areas -  
 archaeological sites, historic sites, location,  
 description, national register status  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 Public Land Survey  
 By county  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Statistics, reports (retrieve by any variable)  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :All data subject to restricted access  
 COMMENTS :The system will be upgraded during the next year to in-  
 clude additional data types; data routinely supplied  
 to the Bureau of Land Management and U.S. Forest Service

USER FEES POLICY :Fees charged for all products and services according to  
 a fee schedule (e.g. \$6.50 per township)  
 DATE OF INFORMATION :8/4/83  
 PAPER FILE NUMBER :C07

STATE :CO  
 DATA BASE NAME :CO Natural Heritage Inventory  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This program was undertaken as a cooperative effort be-  
 tween the State of Arkansas and The Nature Conservancy,  
 a national nonprofit conservation organization.  
 AGENCY :CO Natural Heritage Inventory  
 RESPONDENT :Scott Peterson, Coordinator/Botanist  
 CO Natural Heritage Inventory  
 1550 Lincoln #110  
 Denver, CO 80203  
 Telephone: 303-866-5887  
 OTHER CONTACTS :Beth Lupin, Data Manager/Zoologist  
 :Bill Baker, Plant Ecologist  
 :Julie Archer, Mapper/Data Handler  
 :Shellie Gareau, Procedures Specialist  
 The Nature Conservancy  
 1800 North Kent Street  
 Arlington, VA 22209  
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
 ecological values (plant and animal species, plant  
 communities, aquatic systems, critical habitats and  
 other natural features) of particular interest because  
 they are exemplary, rare, or endangered at the state  
 or national level  
 GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter avail-  
 able through The Nature Conservancy, Arlington, VA)  
 DATE OF INFORMATION :1/21/83  
 PAPER FILE NUMBER :C08

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C0004-01

CODE :CT001-01

STATE :CT  
DATA BASE NAME :CT Census Data Center  
SUBJECT COVERAGE :U.S. census data  
GEOGRAPHIC COVERAGE :Primarily data for the State of Connecticut  
STATUS :Data base initiated in 1980  
AGENCY :CT Office of Policy & Management  
RESPONDENT :Theron A. Schnure, Assistant Director  
Comprehensive Planning Division  
CT Office of Policy & Management  
80 Washington Street  
Hartford, CT 06106-4459  
Telephone: 203-566-3905  
OTHER CONTACTS :Horace H. Brown, Acting Under Secretary

COMPUTER FACILITIES

COMPUTER(S) :IBM 3032  
RESIDENCE :State of Connecticut computer installation facility

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Socio-economic data -  
U.S. census data  
GEOGRAPHIC COVERAGE :Statewide, at all geographic levels  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :Ongoing

DOCUMENTATION :CT Census Data Center News (newsletter)  
DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :CT5

CODE :CT002-01

STATE :CT  
DATA BASE NAME :Air Quality Data Handling System  
SUBJECT COVERAGE :Air quality and climatological data  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base initiated in 1976  
AGENCY :CT Department of Environmental Protection  
RESPONDENT :Victor W. Yanosy, Senior Air Pollution Control Engineer  
CT Department of Environmental Protection  
Air Compliance  
State Office Building, Room 150  
165 Capitol Avenue  
Hartford, CT 06106  
Telephone: 203-566-3310

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/168  
RESIDENCE :D.A.S., 340 Broad Street, Hartford, CT 06106

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
air pollution, total suspended particulates, sulfur  
dioxide, ozone, nitrogen dioxide, carbon dioxide, lead  
GEOGRAPHIC COVERAGE :Statewide  
MINIMUM RESOLUTION :Air monitoring network sites  
OUTPUT PRODUCTS :Tables, summary statistics, reports  
DATA SOURCES :Primary  
CLASSIFICATION :National Ambient Air Quality Standards

DATA CATEGORY NAME :Climate/weather -  
temperature, precipitation, wind speed, etc.  
MINIMUM RESOLUTION :By weather service station  
OUTPUT PRODUCTS :Tables, summary statistics, reports

DOCUMENTATION :"Connecticut Air Quality Summary: 1980"  
DATE OF INFORMATION :7/18/83  
PAPER FILE NUMBER :CT6

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CT001-01  
CT002-01



CODE :CT003-01

STATE :CT  
DATA BASE NAME :CT Natural Resources Center  
DATA BASE ACRONYM :NRC  
SUBJECT COVERAGE :Natural resources information  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The National Resources Center has an ongoing program of gathering, interpreting, and disseminating data on the State's natural resources. The Center has compiled a directory of various natural resources data existing for the State of Connecticut, including information on land surface, earth materials, water resources, coastal resources, and natural history information; and listings of regional agencies that can be of service to individuals needing additional data for a particular town or area.  
The Center maintains automated data bases on only some data files.  
AGENCY :CT Department of Environmental Protection  
RESPONDENT :Carolyn Hughes, Environmental Analyst  
Natural Resources Center  
CT Department of Environmental Protection  
State Office Building, Room 553  
Hartford, Ct 06106  
Telephone: 203-566-3540

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL Level 6 Mini  
:BURROUGHS B-20  
:IBM 370  
RESIDENCE :HONEYWELL Level 6 Mini - all units of the CT Department of Environmental Protection  
BURROUGHS B-20 Cluster - Natural Resource Center  
IBM 370 - State Data Center (Center for Applied Technology & Research - CATR)  
Also use computer at the University of Connecticut

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
:COBOL

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water use  
GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :The Center is in the process of developing a shared data base (among state agencies) for water use data

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DOCUMENTATION : "Natural Resources Information Directory & List of Publications, 1983"; "Long Island Sound: A Directory of Natural Resource Information Sources" (prepared by the Marine Program of the Natural Resources Center)  
DATE OF INFORMATION :6/23/83  
PAPER FILE NUMBER :CT15

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CT003-01

CODE :DE001-01

wetland biomass

STATE :DE  
DATA BASE NAME :Land Use Change  
SUBJECT COVERAGE :Land use  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :In progress; joint study with Delaware state agencies  
AGENCY :Center for Remote Sensing  
RESPONDENT :Dr. Vytautas Klemas, Director  
Center for Remote Sensing  
College of Marine Studies  
University of Delaware  
Newark, DE 19711  
Telephone: 302-738-2336

DOCUMENTATION :General information available  
DATE OF INFORMATION :7/26/83  
PAPER FILE NUMBER :DR5

COMPUTER FACILITIES

COMPUTER(S) :CROMENCO Z2 (ERDAS 400)  
:DEC PDP 11/70  
:DEC 10  
:BURROUGHS B-7700  
RESIDENCE :In-house (CROMENCO Z2) and at the University of  
Delaware Computer Center  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CDOS  
SYSTEM CAPACITY :Main memory: 64K  
Disc storage: 2.5M  
Simultaneous users supported: 1  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :ERDAS software  
PERIPHERAL DEVICES :Color image display, line printer, dot matrix  
printer with graphics, 2 hard copy terminals, 1  
alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
agricultural land, change

DATA CATEGORY NAME :land cover -  
forest land, wetland acreage, agricultural land,  
change

DATA CATEGORY NAME :Vegetation -

ORIGINAL PAGE IS  
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DE001-01

CODE :DE002-01

STATE :DE  
DATA BASE NAME :DE Water Use Data System  
SUBJECT COVERAGE :Groundwater and surface water hydrology  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :DE Department of Natural Resources  
and Environmental Control  
RESPONDENT :H. A. Apgar, Geohydrologist  
Water Resources Section  
Division of Environmental Control  
DE Department of Natural Resources  
and Environmental Control  
Edward Tatnall Building  
William Penn and Legislative Avenues  
P.O. Box 1401  
Dover, DE 19901  
Telephone: 302-736-5743

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS 6900  
RESIDENCE :Private sector computer  
OPERATION :Interactive  
GIS CAPABILITY :Partial; geographic retrieval by latitude/longitude  
and by modified grid

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -  
water body type, water rights  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Aquifer  
Modified Grid Coordinates (road boundaries)  
MINIMUM RESOLUTION :By watershed or river basin; by ownership unit; by  
county  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuously; annually  
CONFIDENTIALITY :Data must be accessed through the DE Department of  
Natural Resources and Environmental Control

DATA CATEGORY NAME :Groundwater hydrology -  
quality, discharge/pumpage, well location, water  
rights, levels, drillers' logs  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Aquifer  
Modified Grid Coordinates (road boundaries)  
MINIMUM RESOLUTION :By watershed or river basin, by ownership unit, by

DATA SOURCES :county  
LEVEL OF RELIABILITY :Primary and secondary  
UPDATE FREQUENCY :Moderate  
CONFIDENTIALITY :Continuously; annually  
:Data must be accessed through the DE Department of  
Natural Resources and Environmental Control

DOCUMENTATION :User Manual (instructions, data availability, access)  
USER FEES POLICY :\$5/hour connect time plus \$12/hour programmer time  
DATE OF INFORMATION :6/1/83  
PAPER FILE NUMBER :DE6

ORIGINAL PAGE IS  
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DE002-01

CODE :FL001-01

STATE :FL  
DATA BASE NAME :Marine Resources Geobased Information System  
DATA BASE ACRONYM :MRGIS  
SUBJECT COVERAGE :Marine resources, coastal land cover  
GEOGRAPHIC COVERAGE :Coastal areas statewide  
STATUS :Under development  
AGENCY :FL Department of Natural Resources  
RESPONDENT :Kenneth D. Maddad, Senior Biologist  
FL Department of Natural Resources  
Marine Resources Laboratory  
100 8th Avenue S.E.  
St. Petersburg, FL 33701  
Telephone: 813-896-8626

COMPUTER FACILITIES

COMPUTER(S) :GOULD S.E.L. SYSTEMS 32/27  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :NPX-32  
SYSTEM CAPACITY :Main memory: 512KB  
Disc storage: 300MB  
Simultaneous users supported: 2 (currently)  
LANGUAGE(S) :FORTRAN  
SPECIALIZED SOFTWARE :ELAS  
PERIPHERAL DEVICES :Color image display, 1 tablet-free cursor digitizer, 2 alphanumeric CRTs, photographic hard-copy output

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Marine resources -  
land use change (1950's), land use change (1980-1983),  
Landsat classification  
GEOGRAPHIC COVERAGE :Estuarine systems in Charlotte Harbor-Tampa Bay-Lake  
Worth special project area initially; will include  
most of the State's coastal areas by November 1984  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :By watershed or river basin; by estuary or marine  
boundaries; 10,000 square meters (UTM cell)  
DATA STORAGE FORMAT :Polygon  
OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, sta-  
tistical summaries, interactive video display capa-  
bility  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High to moderate  
CLASSIFICATION :Florida Department of Transportation classification  
scheme

DATA CATEGORY NAME :Marine resources -  
coastal fishery landing statistics  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :By county  
MINIMUM RESOLUTION :By county  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Low  
UPDATE FREQUENCY :Monthly  
COMMENTS :Data routinely supplied to NMFS data base

DATA CATEGORY NAME :Marine resources -  
ocean surface analysis, temperature, turbidity,  
chlorophyll  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :By ocean area  
DATA STORAGE FORMAT :Polygon, coordinate point  
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
tape, modelling capability, statistical summaries,  
interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Sporadic, depending on needs

DATA CATEGORY NAME :land cover -  
barren land, forest land, rangeland, water, wetlands,  
estuaries, cropland, pasture, urban/built-up, land  
cover habitat  
GEOGRAPHIC COVERAGE :Estuarine systems in Charlotte Harbor-Tampa Bay-Lake  
Worth special project area initially; will include  
most of the State's coastal areas by November 1984  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
DATA STORAGE FORMAT :Polygon  
OUTPUT PRODUCTS :Maps (variable scale), computer tape, statistical sum-  
maries, composite mapping, interactive video display  
capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Probably every 5 years  
CLASSIFICATION :Florida Department of Transportation classification  
scheme

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USER FEES POLICY :No policy established  
DATE OF INFORMATION :7/12/83  
PAPER FILE NUMBER :FLI

CODE :F1002-01

DOCUMENTATION : "A Computer Program for Storage and Retrieval of Geologic  
Sample Descriptions From Coded Input" (FHC01), revised 1978  
USER FEES POLICY : No policy established  
DATE OF INFORMATION : 6/10/83  
PAPER FILE NUMBER : FL5

STATE : FL  
DATA BASE NAME : FL Subsurface Geological Data Base  
SUBJECT COVERAGE : Subsurface geology  
GEOGRAPHIC COVERAGE : Statewide  
AGENCY : FL Bureau of Geology  
RESPONDENT : Thomas M. Scott, Geologist III  
FL Bureau of Geology  
Division of Resource Management  
Department of Natural Resources  
904 W. Tennessee Street  
Tallahassee, FL 32304  
Telephone: 904-488-9380  
OTHER CONTACTS : C. W. Hendry, Jr., State Geologist  
Telephone: 904-488-4191

COMPUTER FACILITIES

COMPUTER(S) : CDC CYBER 760  
RESIDENCE : Florida State University  
OPERATION : Interactive  
GIS CAPABILITY : Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES : 1 monochrome graphics CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Subsurface geology -  
depth, elevation, geophysical logs, formation, rock  
type, color, porosity, description of sand, descrip-  
tion of limestone, description of dolomite, indur-  
ation, cement type, sedimentary structures, accessory  
minerals, general fossils, index fossils  
GEOGRAPHIC COVERAGE : Statewide  
GEOGRAPHIC REFERENCE : Latitude/longitude  
Public Land Survey  
County  
MINIMUM RESOLUTION : Site specific; 40 acres (quarter-quarter section); and  
by county  
DATA STORAGE FORMAT : Tabular  
OUTPUT PRODUCTS : Graphics  
DATA SOURCES : Primary  
LEVEL OF RELIABILITY : High to moderate  
UPDATE FREQUENCY : Varies, depending on new data acquisition

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CODE :FL003-01

STATE :FL  
 DATA BASE NAME :Division of Recreation & Parks Management Information System  
 SUBJECT COVERAGE :Land use, outdoor recreation  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This data base has four subsystems: (a) Outdoor Recreation Planning subsystem (currently being incorporated into the Information System), (b) Recreation Lands Development subsystem, (c) Recreation Lands Administration subsystem, and (d) Recreation Grants Management System  
 AGENCY RESPONDENT :FL Department of Natural Resources  
 :Albert G. Gregory, Recreation Planner Supervisor  
 :FL Department of Natural Resources  
 :Division of Recreation & Parks  
 :Marjorie Stoneman Douglas Building  
 :3900 Commonwealth Boulevard  
 :Tallahassee, FL 32303  
 :Telephone: 904-488-2200  
 OTHER CONTACTS :Bill Reidell, Computer Systems Analyst  
 :Telephone: 904-488-8179  
 :John Davis, Administrative Assistant  
 :Telephone: 904-488-8179

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 4341  
 RESIDENCE :In-house; also use Natural Resources Management Systems & Services Data Center

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :DOS/VSE  
 SYSTEM CAPACITY :Main memory: 8MB  
 :Disc storage: 1714MB  
 LANGUAGE(S) :Assembler  
 :COBOL  
 :BASIC  
 :RPG  
 SPECIALIZED SOFTWARE :SAS  
 :DMS  
 PERIPHERAL DEVICES :Color image display, 3278 terminal, line printer, dot matrix printer with graphics, 4 hard copy terminals

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use - recreation, parks, unique areas, historical areas, archaeological areas, outdoor recreation supply, state park system units and sites  
 GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Public Land Survey  
 :Specific location and address  
 :Park District  
 :State Planning Region  
 MINIMUM RESOLUTION :By ownership unit; by management unit; by county  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, statistical summaries, interactive video display, standardized reports including inventories, attendance-revenue summaries, construction project status, recreation demand/need, etc.  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Varies with the data type  
 COMMENTS :These data are contained within the Outdoor Recreation Planning subsystem, Recreation Lands Development subsystem, and the Recreation Lands Administration subsystem

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DOCUMENTATION :Descriptions of software and data structure have been prepared, but are not available for public distribution at this time.  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :6/16/83  
 PAPER FILE NUMBER :FL4

ORIGINAL PAGE IS  
 OF POOR QUALITY

FL003-01

CODE :FLO04-01

STATE :FL  
 DATA BASE NAME :FL Natural Areas Inventory Data Base  
 SUBJECT COVERAGE :Natural diversity elements, non-game wildlife, vegetation, surface water hydrology and parks  
 GEOGRAPHIC COVERAGE :Statewide (including nearshore)  
 STATUS :This data base is operated by The Nature Conservancy under contract to the FL Department of Natural Resources  
 AGENCY :The Nature Conservancy  
 RESPONDENT :Steve Gatewood, Coordinator  
 FL Natural Areas Inventory  
 254 East Sixth Avenue  
 Tallahassee, FL 32303  
 Telephone: 904-224-8207  
 OTHER CONTACTS :Jim Muller, Data Manager  
 Shellie Gareau  
 The Nature Conservancy  
 1800 North Kent Street  
 Suite 800  
 Arlington, VA 22209  
 Telephone: 703-841-5307

#### COMPUTER FACILITIES

COMPUTER(S) :HP 3000 Model 44  
 RESIDENCE :Use a private sector computer center  
 OPERATION :Interactive  
 GIS CAPABILITY :Partial (capability to group data geographically, but not a primary function)

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :1 monochrome graphics CRT, dot matrix printer

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - special plants, special animals, rare communities, exemplary communities, bird rookeries, geologic features, champion trees  
 GEOGRAPHIC COVERAGE :Statewide (including nearshore)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 USGS 7 1/2' quadrangle  
 Watershed  
 Physiographic province  
 MINIMUM RESOLUTION :Site specific; 1 square mile; by county; by watershed or riverbasin  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables; printouts of individual records  
 DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :Locations for sensitive elements (e.g. orchids, nesting habitats) are subject to restricted access  
 CLASSIFICATION :Developed in-house based on numerous sources

DATA CATEGORY NAME :Wildlife - non-game mammals, non-game birds, non-game fish, non-game marine/estuarial, reptiles/amphibians, populations, management, habitat, threatened, endangered, invertebrates  
 GEOGRAPHIC COVERAGE :Statewide (including nearshore)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 USGS 7 1/2' quadrangle  
 Watershed  
 Physiographic province  
 MINIMUM RESOLUTION :Site specific; 1 square mile; by county; by watershed or river basin  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables; printouts for individual records  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :Locations for sensitive elements (e.g. nesting habitats) are subject to restricted access  
 CLASSIFICATION :Developed in-house based on numerous sources

DATA CATEGORY NAME :Vegetation - species, communities, quality/condition, succession, rare, endangered, management, habitat  
 GEOGRAPHIC COVERAGE :Statewide (including nearshore)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 USGS 7 1/2' quadrangle  
 Watershed  
 Physiographic province  
 MINIMUM RESOLUTION :Site specific; 1 square mile; by county; by watershed or river basin  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables; printouts for individual records  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :Locations for sensitive elements (e.g., orchids) are subject to restricted access  
 CLASSIFICATION :Developed in-house based on numerous sources

ORIGINAL PAGE IS  
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FLO04-01

DATA CATEGORY NAME :Surface water hydrology -  
 quality, water body type  
 GEOGRAPHIC COVERAGE :Statewide (including nearshore)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 USGS 7 1/2' quadrangle  
 Watershed  
 Physiographic province  
 MINIMUM RESOLUTION :Site specific; 1 square mile; by county; by watershed  
 or river basin  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, printouts for individual records  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :Locations for sensitive elements subject to restricted  
 access  
 CLASSIFICATION :Developed in-house based on numerous sources

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 DATA CATEGORY NAME :Land use -  
 national parks, state parks, local parks, natural recre-  
 ation areas, boundaries, management, protection level,  
 size, description, address of manager  
 GEOGRAPHIC COVERAGE :Statewide (including nearshore)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 USGS 7 1/2' quadrangle  
 Watershed  
 Physiographic province  
 MINIMUM RESOLUTION :Site specific; 1 square mile; by county; by watershed  
 or river basin  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, printouts for individual records  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :Locations for sensitive elements subject to restricted  
 access  
 CLASSIFICATION :Developed in-house based on numerous sources

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DOCUMENTATION :Information available on data encoding format/procedure  
 and descriptive information  
 USER FEES POLICY :No fee at present for state/federal agencies; no policy  
 established for private firms  
 DATE OF INFORMATION :8/29/83  
 PAPER FILE NUMBER :FL6

ORIGINAL PAGE IS  
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CODE :HI001-01

STATE :HI  
 DATA BASE NAME :Historic Sites Inventory  
 SUBJECT COVERAGE :Cultural resources  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :HI Department of Land and Natural Resources  
 RESPONDENT :Jason Ota, Archaeologist  
 :Historic Sites Section  
 :Division of State Parks  
 :HI Department of Land and Natural Resources  
 :P.O. Box 621  
 :Honolulu, HI 96809  
 :Telephone: 808-548-6408  
 OTHER CONTACTS :Roy K.C. Sue, State Parks Administrator  
 :Dr. Don Hibbard, Director  
 :Historic Sites Section

#### COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VS  
 RESIDENCE :HI Department of Planning and Economic Development  
 OPERATION :Batch  
 GIS CAPABILITY :Partial

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural resources -  
 :architectural sites, archaeological sites, locations  
 GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :General information available in "HI-PASS: Hawaii Planning  
 :Activities Support System" publication (Hawaii Department  
 :of Planning and Economic Development).  
 USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/13/83  
 PAPER FILE NUMBER :HI11

CODE :HI002-01

STATE :HI  
 DATA BASE NAME :Coastal Resource Data Base  
 SUBJECT COVERAGE :Coastal resources  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :HI Department of Planning and Economic Development  
 RESPONDENT :Shoji Kato, Head  
 :Planning Division  
 :HI Department of Planning and Economic Development  
 :250 South King Street  
 :Honolulu, HI 96813  
 :Telephone: 808-548-3042

#### COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VS  
 :IBM 370/158  
 RESIDENCE :In-house (WANG 2200VS); University of Hawaii  
 :Computing Center (IBM 370/158)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Partial (data are organized by land parcel units  
 :known as Tax Map Keys)

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :WANG 2200VS  
 :Main memory: 512 KB  
 :Disc storage: 180 MB  
 :Simultaneous users supported: 13  
 LANGUAGE(S) :BASIC  
 :COBOL  
 SPECIALIZED SOFTWARE :SPSS  
 :SAS  
 PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric  
 :CRTs (4)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Coastal resources -  
 :waterbird habitats, wetlands, flood/tsunami areas,  
 :perennial streams, intermittent streams  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :By ownership unit  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, interactive  
 :video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :As source information is updated; last updated in  
 :January 1983

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DOCUMENTATION :HI-PASS: Hawaii Planning Activities Support System  
 USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/24/83  
 PAPER FILE NUMBER :HI13

ORIGINAL PAGE IS  
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HI001-01  
 HI002-01

CODE :H1002-02

STATE :HI  
 DATA BASE NAME :HI Planning Activities Support System  
 DATA BASE ACRONYM :H-PASS  
 SUBJECT COVERAGE :Land use  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The Hawaii Planning Activities Support System (H-PASS) was developed as a research and demonstration project to improve information management for governmental agencies involved with coastal planning and land use. H-PASS integrates permit information of nine State and County agencies with major land and water use management responsibilities. The agencies are:  
     Department of Planning and Economic Development  
     Department of Land and Natural Resources  
     Department of Health  
     Department of Transportation  
     Office of Environmental Quality Control  
     City and County of Honolulu Department of Land Utilization  
     County of Maui Planning Department  
     County of Hawaii Planning Department  
     County of Kauai Planning Department  
 During the past three years, the State Department of Planning, through its Coastal Zone Management (CZM) Program, and the University of Hawaii's Department of Urban and Regional Planning have cooperated to develop this computerized system linking permit and resource management information of State and County agencies responsible for programs dealing with land and water use. H-PASS is financed mostly with Federal CZM grants.  
 AGENCY RESPONDENT :HI Department of Planning and Economic Development  
     Shoji Kato, Head  
     Planning Division  
     HI Department of Planning and Economic Development  
     250 South King Street  
     Honolulu, HI 96813  
     Telephone: 808-548-3042

# COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VS  
     IBM 370/158  
 RESIDENCE :In-house (WANG 2200VS); University of Hawaii  
     Computing Center (IBM 370/158)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Partial (data are organized by land parcel units  
     known as Tax Map Keys)

# IN-HOUSE FACILITIES

SYSTEM CAPACITY :WANG 2200VS

Main memory: 512 KB  
 Disc storage: 180 MB  
 Simultaneous users supported: 13

LANGUAGE(S) :BASIC  
     COBOL  
 SPECIALIZED SOFTWARE :SPSS  
     SAS  
 PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric  
     CRTs (4)

# DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
     major coastal/land use permits  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :By ownership unit, site specific  
 DATA STORAGE FORMAT :Tabular, Tax Map Key  
 OUTPUT PRODUCTS :Tables, graphics, computer tape, interactive video  
     display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuously; weekly  
 CONFIDENTIALITY :Staff analyses/recommendations subject to restricted  
     access; also permits in litigation

DOCUMENTATION :H-PASS: Hawaii Planning Activities Support System"  
 USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/24/83  
 PAPER FILE NUMBER :H113-2

ORIGINAL PAGE 13  
 OF POOR QUALITY

H1002-02

CODE :HI003-01

CODE :HI004-01

STATE :HI  
 DATA BASE NAME : "Resource Inventory Information"  
 SUBJECT COVERAGE : Forest resources  
 GEOGRAPHIC COVERAGE : Statewide  
 STATUS : Under development; data base has not yet been named  
 AGENCY : HI Department of Land and Natural Resources  
 RESPONDENT : Libert K. Landgraf, Administrator  
 Division of Forestry and Wildlife  
 HI Department of Land and Natural Resources  
 1151 Punchbowl Street  
 Honolulu, HI 96813  
 Telephone: 808-548-2861  
 OTHER CONTACTS : Edwin Q. P. Petseys, Resources Evaluation Forester

COMPUTER FACILITIES

COMPUTER(S) : TELEVIDEO 806  
 RESIDENCE : In-house  
 OPERATION : Interactive  
 GIS CAPABILITY : No

IN-HOUSE FACILITIES

OPERATING SYSTEM : CP/M  
 SYSTEM CAPACITY : Main memory: 64 bytes  
 Disc storage: 11MB  
 Simultaneous users supported: 6  
 SPECIALIZED SOFTWARE : DBASE II  
 PERIPHERAL DEVICES : Dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Forestry -  
 ownership, vegetation types, timber volume, soils,  
 wildlife, zoning, climate, noxious/exotic plants  
 GEOGRAPHIC COVERAGE : Statewide  
 GEOGRAPHIC REFERENCE : Universal Transverse Mercator (pending)  
 MINIMUM RESOLUTION : Approximately 200 acres  
 DATA STORAGE FORMAT : Coordinate point  
 OUTPUT PRODUCTS : Tables, statistical summaries  
 DATA SOURCES : Primary and secondary  
 LEVEL OF RELIABILITY : Unknown  
 UPDATE FREQUENCY : Every five years (estimated)  
 CONFIDENTIALITY : Timber volume data for specific landowners is subject  
 to restricted access  
 COMMENTS : Data routinely supplied to the U.S. Forest Service/RPA

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USER FEES POLICY : No policy established  
 DATE OF INFORMATION : 9/15/83  
 PAPER FILE NUMBER : HI18

STATE :HI  
 DATA BASE NAME : Marine Fish Transects  
 SUBJECT COVERAGE : Fishery inventory data  
 GEOGRAPHIC COVERAGE : Statewide  
 AGENCY : HI Department of Land and Natural Resources  
 RESPONDENT : Henry Sakuda, Director  
 Division of Aquatic Resources  
 HI Department of Land and Natural Resources  
 1151 Punchbowl Street, Room 330  
 Honolulu, HI 96813  
 Telephone: 808-548-4001

COMPUTER FACILITIES

COMPUTER(S) : IBM 370  
 RESIDENCE : HI Department of Budget and Finance, Electronic Data  
 Processing Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Fisheries -  
 marine fish, inventory data  
 GEOGRAPHIC COVERAGE : Statewide  
 UPDATE FREQUENCY : On-going  
 COMMENTS : Repository initiated in 1977

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DATE OF INFORMATION : 6/17/83  
 PAPER FILE NUMBER : HI16

ORIGINAL PAGE 13  
 OF POOR QUALITY

HI 003-01  
 HI 004-01

CODE :HI004-02

CODE :HI004-03

STATE :HI  
DATA BASE NAME :Commercial Fish Catch  
SUBJECT COVERAGE :Various commercial fishery data  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :HI Department of Land and Natural Resources  
RESPONDENT :Henry Sakuda, Director  
Division of Aquatic Resources  
HI Department of Land and Natural Resources  
1151 Punchbowl Street, Room 330  
Honolulu, HI 96813  
Telephone: 808-548-4001

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
RESIDENCE :HI Department of Budget and Finance, Electronic Data  
Processing Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
commercial sea catch by species, pounds caught, pounds  
sold, value; pond catch by species, pounds caught, pounds  
sold, value; commercial fish landings by island (sea  
catch, pond catch); commercial fish landings by month  
(sea catch, pond catch)  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :On-going  
COMMENTS :Repository initiated in 1928

DATE OF INFORMATION :6/17/83  
PAPER FILE NUMBER :HI6

STATE :HI  
DATA BASE NAME :Aquarium Fish Catch  
SUBJECT COVERAGE :Various aquarium catch data  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Repository initiated in 1973  
AGENCY :HI Department of Land and Natural Resources  
RESPONDENT :Henry Sakuda, Director  
Division of Aquatic Resources  
HI Department of Land and Natural Resources  
1151 Punchbowl Street, Room 330  
Honolulu, HI 96813  
Telephone: 808-548-4001

COMPUTER FACILITIES

COMPUTER(S) :TRS-80 MODEL 111  
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
aquarium catch data  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :On-going

DATE OF INFORMATION :6/17/83  
PAPER FILE NUMBER :HI6

ORIGINAL PAGE 10  
OF POOR QUALITY

HI004-02  
HI004-03

CODE :H1005-01

STATE :HI  
 DATA BASE NAME :Economic Planning Information System  
 DATA BASE ACRONYM :EPIS  
 SUBJECT COVERAGE :Economic time series data  
 GEOGRAPHIC COVERAGE :State, County and Island level  
 STATUS :In 1978, House Concurrent Resolution No. 88 requested the HI Department of Planning and Economic Development and the Department of Budget and Finance to develop jointly the Economic Planning Information System. The EPIS is a prototype computer-based information system whose role is to support the economic analysis and planning process in Hawaii by providing users with both a wide range of data, and capabilities to manipulate the data and to display information needed for decision-making.  
 The EPIS was envisioned to be one subsystem of an eventual broader Hawaii State Management Information System that would also include four other subsystems -- population, physical environment, facility systems, and socio-cultural advancement. EPIS was developed and implemented as a prototype subsystem toward the development of the Statewide Management Information System.  
 The completion of the development phase of the EPIS in July 1981 produced a working prototype that was introduced to several departments in FY 1982, including the Departments of Agriculture, Labor and Industrial Relations, Planning and Economic Development, Taxation, Commerce and Consumer Affairs.  
 AGENCY :HI Department of Planning and Economic Development  
 RESPONDENT :Glenn Ifuku, Manager  
 Economic Planning Information System (EPIS)  
 HI Department of Planning & Economic Development  
 250 South King Street  
 Honolulu, HI 96813  
 Telephone: 808-548-4355

# COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 IBM 370/158  
 RESIDENCE :HI Department of Budget and Finance Electronic Data Processing Division (IBM 3033); University of Hawaii Computing Center (IBM 370/158)

# DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Economic data -- population, taxation, energy, agricultural production, employment  
 GEOGRAPHIC COVERAGE :Statewide  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries

DOCUMENTATION : "Economic Planning Information System (EPIS): Status Report to the Twelfth Legislature, State of Hawaii"; seven manuals are planned:  
 1) Introduction  
 2) Reference Guide  
 3) Analysis Function Guide  
 4) Data Maintenance Guide  
 5) General Use of Time Sharing Option (TSO)  
 6) More Effective Use of Analysis Function  
 7) Report Output  
 DATE OF INFORMATION :6/10/83  
 PAPER FILE NUMBER :H14

ORIGINAL PAGE IS  
 OF POOR QUALITY

H1005-01

CODE :IA001-01

STATE :IA  
DATA BASE NAME :IA Natural Areas Inventory  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base initiated November 1981 as a cooperative effort  
between the Iowa Conservation Commission and the Nature  
Conservancy  
AGENCY :IA Conservation Commission  
RESPONDENT :Mary Jean Huston, Data Manager  
IA Natural Areas Inventory  
IA Conservation Commission  
Wallace State Office Building  
Des Moines, IA 50319  
Telephone: 515-281-8012  
OTHER CONTACTS :Shellic Gareau  
The Nature Conservancy  
1800 North Kent Street  
Suite 800  
Arlington, VA 22209  
Telephone: 703-841-5307

COMPUTER FACILITIES

COMPUTER(S) :HP 3000 Model  
RESIDENCE :Keystone Area Educational Agency, Elkader, IA

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :HP Terminal 2645A, printer 2631B

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
rare or endangered species, distinct biotic communities,  
special plant and animal species, unusual geological  
formations, natural features of interest because they  
are exemplary, rare, or endangered at the state or  
national level  
GEOGRAPHIC COVERAGE :Statewide  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Ongoing

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DOCUMENTATION :The Iowa Natural Areas Inventory" brochure  
DATE OF INFORMATION :7/15/83  
PAPER FILE NUMBER :IA13-1

ORIGINAL PAGE IS  
OF POOR QUALITY

IA001-01

CODE :IA002-01

STATE :IA  
 DATA BASE NAME :IA Water Resources Data System  
 DATA BASE ACRONYM :IWARDS  
 SUBJECT COVERAGE :Geologic data, water quality  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Under development. This system was created as a result of Iowa House File 2463 calling for a plan to develop a comprehensive water information system to be managed by the IA Geological Survey for monitoring on a continuous basis the quantity and quality of Iowa's water resources. Data indexing, inventory and referral services will be performed for all data relevant to the general requirements set out by H.F. 2463. The Survey, in cooperation with those agencies that produce and/or use data, will prepare and maintain a data directory. The directory will supply information needed for interagency review, and help to identify gaps, duplications, and areas for potential joint activity.

Currently, five water programs are producing data that will form the nucleus of the water resources data base. These are:

- 1) Streamflow gaging program operated by the U.S. Geological Survey (in cooperation with the state and Corps of Engineers, principally);
- 2) Groundwater studies program operated by the IA Geological Survey (with cooperation by the U.S. Geological Survey);
- 3) Water rights program operated currently by the IA Natural Resources Council;
- 4) Public water supply program operated currently by the Department of Environmental Quality; and
- 5) Raw water analysis program of the University (State) Hygienic Laboratory in cooperation with the Department of Environmental Quality and the U.S. Geological Survey.

AGENCY :IA Geological Survey  
 RESPONDENT :Richard L. Talcott  
 IWARDS Manager and Data Processing Supervisor  
 IA Geological Survey  
 123 North Capitol Street  
 Iowa City, IA 52242  
 Telephone: 319-338-1173

#### COMPUTER FACILITIES

COMPUTER(S) :PERKIN-ELMER 3220  
 :IBM 370  
 :PRIME  
 RESIDENCE :In-house (PERKIN-ELMER 3220; University of Iowa Weeg Computer Center (IBM 370, PRIME))

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :OS32  
 SYSTEM CAPACITY :Main memory: 1 MB  
 :Disc storage: 134 MB  
 LANGUAGE(S) :FORTRAN VII  
 SPECIALIZED SOFTWARE :GEOTAB  
 :ELAS  
 :SURFACE II  
 PERIPHERAL DEVICES :11" electrostatic printer/plotter, 45" x 60" digitizer tablet, 19" storage tube graphics terminal, color image processor and monitor, video terminals (9)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology  
 GEOGRAPHIC COVERAGE :Statewide  
 COMMENTS :The Geologic Data File is a major on-line file with 11,245 records

DATA CATEGORY NAME :Environmental quality - water quality  
 GEOGRAPHIC COVERAGE :Statewide  
 COMMENTS :The Water Quality File is a major on-line file with 10,930 data entries

DOCUMENTATION :"Comprehensive State Water Resources Information System: Design Report" (January 1983)  
 DATE OF INFORMATION :3/28/83  
 PAPER FILE NUMBER :IA4-1

ORIGINAL PAGE IS  
 OF POOR QUALITY

IA002-01

CODE :ID001-01

STATE :ID  
DATA BASE NAME :IDMR Image Analysis Facility  
SUBJECT COVERAGE :Land use  
GEOGRAPHIC COVERAGE :Ada and Canyon counties; Idaho Falls area, and Snake River  
Plain Aquifer lands  
AGENCY :ID Department of Water Resources  
RESPONDENT :Hal Anderson, Supervisor  
Land and Water Use Data  
ID Department of Water Resources  
450 W. State Street  
Boise, ID 83720  
Telephone: 208-334-4492  
OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager  
Telephone: 208-344-3373  
:Ken Dunn, Director  
Telephone: 208-344-4438

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
DEC PDP 11/34  
IBM-PC  
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State  
Office Building (IBM 3033); Energy Division (IBM-PC)  
OPERATION :Batch  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11  
SYSTEM CAPACITY :Main memory: 256KB  
Disc storage: 82MB  
Simultaneous users supported: 12-15  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :VICAR-IMAGE  
SYSTEM 511  
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digi-  
tizer, line printer, dot matrix printer with  
graphics, 2 hard copy terminals, 6 alphanumeric  
CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover -  
water, cropland, residential, commercial/industrial,  
bare soil/rock/disturbed, basalt, rangeland, brush/  
shrubs, trees, burns, bottom lands/riparian, irriga-  
ted cropland  
GEOGRAPHIC COVERAGE :Ada and Canyon counties, Idaho Falls area, and the  
Snake River Plain Aquifer lands

GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :1 acre; 40 acres  
DATA STORAGE FORMAT :Grid, polygon, tabular  
OUTPUT PRODUCTS :Tables, graphics, computer tape, statistical sum-  
maries, interactive video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
CLASSIFICATION :Modified Level II Anderson Land-Use Classification

DOCUMENTATION :General information; descriptions of data encoding for-  
mat/procedure, data types  
DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :ID2-1

ORIGINAL PAGE IS  
OF POOR QUALITY

ID001-01



CODE :ID001-02

OUTPUT PRODUCTS :Maps (1:100,000), interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown  
CLASSIFICATION :Irrigated (surface/groundwater/mixed) vs. non-irrigated

=====

DOCUMENTATION :General information; descriptions of data encoding format/procedure, data types  
DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :ID2-2

STATE :ID  
DATA BASE NAME :IDWR Image Analysis Facility/RASA  
DATA BASE ACRONYM :RASA  
SUBJECT COVERAGE :Groundwater, irrigated acreage  
GEOGRAPHIC COVERAGE :Big Lost River Basin  
AGENCY :ID Department of Water Resources  
RESPONDENT :Hal Anderson, Supervisor  
Land and Water Use Data  
ID Department of Water Resources  
450 W. State Street  
Boise, ID 83720  
Telephone: 208-334-4492  
OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager  
Telephone: 208-334-3373  
:Ken Dunn, Director  
Telephone: 208-334-4438

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
DEC PDP 11/34  
IBM-PC  
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State  
Office Building; Energy Division (IBM-PC)  
OPERATION :Batch  
GIS CAPABILITY :Particip

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MSX-11  
SYSTEM CAPACITY :Main memory: 256KB  
Disc storage: 82MB  
Simultaneous users supported: 12-15  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :VICAR-IBIS  
SYSTEM 511  
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
irrigated acreage change detection in critical  
groundwater areas  
GEOGRAPHIC COVERAGE :Big Lost River Basin  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
State Plane Coordinates  
MINIMUM RESOLUTION :40 acres

ORIGINAL PAGE IS  
OF POOR QUALITY

ID001-02

CODE :ID001-03

STATE :ID  
DATA BASE NAME :IDWR Image Analysis Facility/Service-Source Areas  
SUBJECT COVERAGE :Base data  
GEOGRAPHIC COVERAGE :Snake River Plain Aquifer lands and Cascade Resource Area  
AGENCY :ID Department of Water Resources  
RESPONDENT :Hal Anderson, Supervisor  
Land and Water Use Data  
ID Department of Water Resources  
450 W. State Street  
Boise, ID 83720  
Telephone: 208-334-4492  
OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager  
Telephone: 208-334-3373  
:Ken Dunn, Director  
Telephone: 208-334-4438

(Cascade Resource Area)  
DATA STORAGE FORMAT :Polygon, tabular  
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
tape, modelling capability, statistical summaries,  
interactive video display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Unknown

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DOCUMENTATION :General information; descriptions of data encoding format/procedure, data types  
DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :ID2-3

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
DEC PDP 11/34  
IBM-PC  
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State  
Office Building (IBM 3033); Energy Division (IBM-PC)  
OPERATION :Batch  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11  
SYSTEM CAPACITY :Main memory: 256KB  
Disc storage: 82MB  
Simultaneous users supported: 12-15  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :VICAR-IBIS  
SYSTEM 511  
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data -  
irrigation district boundaries, groundwater source,  
surface water source, BLM grazing allotment boundaries  
GEOGRAPHIC COVERAGE :Snake River Plain Aquifer lands and Cascade Resource Area  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
MINIMUM RESOLUTION :40 acres (Snake River Plain Aquifer lands); 1 acre

ORIGINAL PAGE IS  
OF POOR QUALITY

ID001-03

CODE :ID001-04

STATE :ID  
DATA BASE NAME :Cascade Resource Area Vegetation Analysis  
SUBJECT COVERAGE :Vegetation, agriculture, rangeland  
GEOGRAPHIC COVERAGE :Cascade Resource Area  
AGENCY :ID Department of Water Resources  
RESPONDENT :Mal Anderson, Supervisor  
Land and Water Use Data  
ID Department of Water Resources  
450 W. State Street  
Boise, ID 83720  
Telephone: 208-334-4492  
OWNER CONTACTS :Rob Spofford, Data Processing Systems Manager  
Telephone: 208-334-3373  
Ken Dunn, Director  
Telephone: 208-334-4438

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
DEC PDP 11/34  
IBM-PC  
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State  
Office Building (IBM 3033); Energy Division (IBM-PC)  
OPERATION :Batch  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11  
SYSTEM CAPACITY :Main memory: 256KB  
Disc storage: 82MB  
Simultaneous users supported: 12-15  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :VICAR-IBIS  
SYSTEM 511  
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -  
communities, quality/condition, classification, range-  
land classes on Columbia River basalts, rangeland  
classes on Idaho Formation sediments, irrigated ag-  
riculture, dryland agriculture, reservoirs, burned  
rangeland present (July 1980)  
GEOGRAPHIC COVERAGE :Cascade Resource Area  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator

MINIMUM RESOLUTION :1.1 acre (pixel)  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (1:24,000), tables, computer tape, statistical  
summaries, interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Under evaluation  
CLASSIFICATION :In-house classification; 30 land cover categories in  
six strata

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DOCUMENTATION :General information; descriptions of data encoding for-  
mat/procedure, data types  
DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :ID2-4

ORIGINAL PAGE IS  
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CODE :ID001-05

OUTPUT PRODUCTS :Tables, computer tape, statistical summaries, inter-  
active video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Unknown

STATE :ID  
DATA BASE NAME :IDWR Image Analysis Facility/Wildlife Habitat  
SUBJECT COVERAGE :Vegetation classification  
GEOGRAPHIC COVERAGE :Soda Springs area in southeast Idaho; South Hills region  
below Twin Falls in southern Idaho  
AGENCY :ID Department of Water Resources  
RESPONDENT :Hal Anderson, Supervisor  
Land and Water Use Data  
ID Department of Water Resources  
450 W. State Street  
Boise, ID 83720  
Telephone: 208-334-4492  
OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager  
Telephone: 208-334-3373  
:Ken Dunn, Director  
Telephone: 208-334-4438

DOCUMENTATION :General information; descriptions of data encoding for-  
mat/procedure, data types  
DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :ID2-5

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
DEC PDP 11/34  
IBM-PC  
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State  
Office Building (IBM 3033); Energy Division (IBM-PC)  
OPERATION :Batch  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11  
SYSTEM CAPACITY :Main memory: 256KB  
Disc storage: 82MB  
Simultaneous users supported: 12-15  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :VICAR-IBIS  
SYSTEM 511  
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digi-  
tizer, line printer, dot matrix printer with  
graphics, 2 hard copy terminals, 6 alphanumeric  
CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
habitat, vegetation classification  
GEOGRAPHIC COVERAGE :Soda Springs area in southeast Idaho; South Hills  
region below Twin Falls in southern Idaho  
GEOGRAPHIC REFERENCE :Not geographically referenced  
MINIMUM RESOLUTION :1.1 acre (pixel)  
DATA STORAGE FORMAT :Grid

ORIGINAL PAGE 10  
OF POOR QUALITY

ID001-05

CODE :ID002-01

STATE :ID  
DATA BASE NAME :Land Information and Mapping System  
SUBJECT COVERAGE :Forest resources, base data, topography  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ID Department of Lands  
RESPONDENT :Ray Miller, Supervisor  
Technical Services  
ID Department of Lands  
State Capitol Building  
Boise, ID 83720  
Telephone: 208-334-3816

COMPUTER FACILITIES

COMPUTER(S) :IDN 3033  
RESIDENCE :Use central government computer center  
OPERATION :Batch  
GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
location, species, size, production, habitat, slope,  
timber  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :10 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (2"=1 mile), composite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously  
CLASSIFICATION :Timber type based on U.S. Forest Service classification

DATA CATEGORY NAME :Base data -  
counties, townships  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :10 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (2"=1 mile), composite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High

DATA CATEGORY NAME :Topography -  
elevation, slope, aspect

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :10 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (2"=1 mile), composite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High

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USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :6/6/83  
PAPER FILE NUMBER :ID4-1

ORIGINAL PAGE 13  
OF POOR QUALITY

ID002-01

CODE :ID002-02

CODE :ID003-01

STATE :ID  
 DATA BASE NAME :Private Land - Forest Protection List  
 SUBJECT COVERAGE :Private ownership of forest lands  
 GEOGRAPHIC COVERAGE :Privately owned forests statewide  
 AGENCY :ID Department of Lands  
 RESPONDENT :Ray Miller, Supervisor  
 Technical Services  
 ID Department of Lands  
 State Capitol Building  
 Boise, ID 83720  
 Telephone: 208-334-3816

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Use central government computer center  
 OPERATION :Batch  
 GIS CAPABILITY :Yes

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 private ownership, timber  
 GEOGRAPHIC COVERAGE :Privately owned forest land statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Site specific; by township; by county  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Continuously  
 CONFIDENTIALITY :Data access subject to authorization from Department  
 Head

=====

USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :6/6/83  
 PAPER FILE NUMBER :ID4-2

STATE :ID  
 DATA BASE NAME :Upper Snake River, ID History File  
 SUBJECT COVERAGE :Surface water  
 GEOGRAPHIC COVERAGE :Snake River and tributaries above Milner Dam (300+ sites)  
 AGENCY :ID Department of Water Resources  
 RESPONDENT :Alan C. Robertson, Supervisor  
 Hydrology Section  
 ID Department of Water Resources  
 Statehouse  
 Boise, ID 83720  
 Telephone: 208-334-4485  
 OTHER CONTACTS :Rob Spafford, Data Processing Systems Manager  
 Telephone: 208-334-3373

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Auditor's Office, State Office Building

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
 discharge/volume/stage, supply and storage, water  
 rights, daily diversions  
 GEOGRAPHIC COVERAGE :Snake River and tributaries above Milner Dam (300+  
 sites); Water District 1  
 GEOGRAPHIC REFERENCE :Between stream gages  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Daily between April and October; diversions that occur  
 in winter area also measured

=====

USER FEES POLICY :No policy established  
 DATE OF INFORMATION :6/13/83  
 PAPER FILE NUMBER :ID6

ORIGINAL PAGE IS  
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ID002-02  
 ID003-01

CODE :ID004-01

STATE :ID  
DATA BASE NAME :Dam Inventory  
SUBJECT COVERAGE :Dam locations and descriptions  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ID Department of Water Resources  
RESPONDENT :Dave Hollingshead, Supervisor  
Dam Safety Section  
ID Department of Water Resources  
450 W. State Street  
Boise, ID 83720  
Telephone: 208-334-4440  
OTHER CONTACTS :Rob Spoffort, Data Processing Systems Manager  
Telephone: 208-334-3373

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
DEC PDP 11/34  
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State  
Office Building (IBM 3033)  
OPERATION :Batch

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX 11-M  
SYSTEM CAPACITY :Main memory: 256KB  
Disc storage 82MB  
Simultaneous users supported: 12-15  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :SYSTEM 511  
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Dams -  
location, owner, dam height, crest length, structure type, spillway type, spillway depth, storage capacity, condition of dam, latest inspection, dam name, dam number, stream on which located, purpose of dam, hazard class, drainage area above dam, reservoir area, year completed, maximum spillway discharge, approval expiration  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
By drainage basin  
MINIMUM RESOLUTION :1 square mile  
DATA STORAGE FORMAT :Tabular

OUTPUT PRODUCTS :Tables  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Quarterly

DOCUMENTATION :Description of data structure available  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/5/83  
PAPER FILE NUMBER :1D7

ORIGINAL PAGE IS  
OF POOR QUALITY

ID004-01

CODE :ID005-01

STATE :ID  
DATA BASE NAME :ID Water Use Data System  
DATA BASE ACRONYM :IWUDS  
SUBJECT COVERAGE :Water use  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ID Department of Water Resources  
RESPONDENT :Ralph Mellin, Chief  
Water Use Data Section  
ID Department of Water Resources  
Statehouse  
Boise, ID 83720  
Telephone: 208-334-4496

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/34  
RESIDENCE :State data coordinating center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water use -  
Off-stream use categories - water use and related data (amount of water withdrawn from surface and ground water and amount of water to these waters) to be reported:  
agriculture, aquaculture, commercial, domestic, industrial, irrigation, mining, power, recreation, sewage treatment, water supplier (including population served)  
In-stream use categories:  
fishing, navigation, power, recreation and preservation, water quality flows (if any)  
Supporting data categories:  
agricultural yield data by crop type, climatic data (precipitation, temperature, evaporation, wind), consumptive irrigation requirements data, economic related water use data (water cost, projections), flood prone areas, ground water (levels, water yield location maps, well log data), land ownership and water facilities, land cover and land use, stream flow records, soil type and capacity, unique land areas, water quality (STORET), wildlife (game habitat)  
Institutional categories (water related):  
text material of water laws, regulations, and compacts including federal and state; public opinion surveys; water rights (recorded rights are on a computerized file, court decreed water rights can be added) (see ID006-01 for water rights)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Hydrologic unit

DATA SOURCES  
UPDATE FREQUENCY  
COMMENTS

County  
Various water use and water source groupings  
:Primary and secondary  
:Continuous  
:Climatic data accessible from NOAA, stream flow data is direct access to USGS, water quality is direct access to STORET

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DOCUMENTATION : "Idaho's Water Use Data System", Idaho Department of Water Resources. November 1982.  
DATE OF INFORMATION : 1/3/82  
PAPER FILE NUMBER : ID5

ORIGINAL PAGE IS  
OF POOR QUALITY



CODE :ID006-01

STATE :ID  
DATA BASE NAME :Water Rights Data Bank  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ID Department of Water Resources  
RESPONDENT :Dave Tuthill, Supervisor  
Water Allocation Section  
ID Department of Water Resources  
Statehouse  
Boise, ID 83720  
Telephone: 208-334-4104

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/34  
IBM 3033  
RESIDENCE :in-house (DEC PDP 11/34); ID State Auditor's Office  
(IBM 3033)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water rights -  
name, address, source, tributary, date of priority,  
type of use, season of use, rate of flow, annual  
volume, point of diversion, place of use, special  
remarks  
GEOGRAPHIC COVERAGE :Statewide (approximately 70,000 water rights)  
UPDATE FREQUENCY :Continuously  
COMMENTS :Records available from 1903 to present

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DATE OF INFORMATION :1/14/83  
PAPER FILE NUMBER :IDS

ORIGINAL PAGE 13  
OF POOR QUALITY

ID006-01

CODE :IL001-01

STATE :IL  
DATA BASE NAME :Regional Climate Coordinating Office  
DATA BASE ACRONYM :RCCO  
SUBJECT COVERAGE :Historical and real-time climate/weather information  
and data  
GEOGRAPHIC COVERAGE :North Central States (Illinois, Indiana, Iowa, Kansas,  
Michigan, Minnesota, Missouri, Nebraska, North Dakota,  
Ohio, South Dakota and Wisconsin)  
STATUS :The Regional Climate Coordinating Office (RCCO) was es-  
tablished in September 1981 as part of a plan to develop  
a regional intergovernmental climate program within an  
existing institutional framework that includes data manage-  
ment and impact studies for a 12-state region. The RCCO  
is part of a 4-year project to 1) upgrade the climatic ser-  
vices within the North Central Region, and 2) demonstrate  
the feasibility of the regional approach for the provision  
of climate services. The funds for RCCO are provided by  
the National Climate Program Office and the State of  
Illinois

The primary purposes of the RCCO are to 1) improve the  
efficiency and effectiveness of the State Climate Centers,  
and 2) offer a means for all federal agencies involved in  
climate to have a focal point for communications and coop-  
eration with the states. The major tasks or responsibil-  
ities of the RCCO are: 1) program management of projects  
and funds allocated from federal and other non-state  
sources for regional work; 2) management of regional cli-  
mate data, special data networks, and the near real-time  
collection of climate data; 3) development, promotion, and  
coordination of regional climatic research and impact stu-  
dies; and 4) liaison with federal, state, regional, and  
private groups within and outside the North Central Region.

AGENCY :IL State Water Survey  
RESPONDENT :John L. Vogel, Director  
Regional Climate Coordinating Office  
IL State Water Survey Division  
Department of Energy and Natural Resources  
Water Resources Building  
605 East Springfield Avenue  
P.O. Box 5050, Station A  
Champaign, IL 61820  
Telephone: 217-333-4261

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather  
GEOGRAPHIC COVERAGE :North Central States (Illinois, Indiana, Iowa, Kansas,  
Michigan, Minnesota, Missouri, Nebraska, North Dakota,  
Ohio, South Dakota and Wisconsin)

DOCUMENTATION :General information available  
DATE OF INFORMATION :7/20/83  
PAPER FILE NUMBER :IL11

ORIGINAL PAGE IS  
OF POOR QUALITY

IL001-01

CODE :IL002-01

COMMENTS

:Initial study completed in 1978

STATE :IL  
DATA BASE NAME :IL Natural Areas Inventory  
SUBJECT COVERAGE :Locations and descriptions of natural areas in Illinois  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :IL Department of Conservation  
RESPONDENT :Carl Becker, Section Manager  
Division of Forest Resources & Natural Heritage  
IL Department of Conservation  
Lincoln Tower Plaza  
524 South Second Street  
Springfield, IL 62706  
Telephone: 217-785-8774

DOCUMENTATION : "Summary Report: Illinois Natural Areas Inventory"  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :9/29/83  
PAPER FILE NUMBER :IL10

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :WANG 2200T CPU; 2226 CRT/Keyboard console  
SYSTEM CAPACITY :32K  
LANGUAGE(S) :BASIC  
PERIPHERAL DEVICES :Line printer, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural areas -  
ecological areas, endangered species habitats, relict  
species habitats, geologic areas, natural study areas,  
unique natural areas, aquatic areas, altitude, topog-  
raphy, geologic formation, soil association, natural  
community classification, natural quality, acreage,  
plant community, ownership, use, management, preserva-  
tion status, threat of destruction, species list,  
vegetation sampling data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
Topographic map  
MINIMUM RESOLUTION :40 acres (quarter-quarter section)  
DATA STORAGE FORMAT :Text, tabular  
OUTPUT PRODUCTS :Reports, tables  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
CONFIDENTIALITY :Available to the public upon request  
CLASSIFICATION :Natural Community Classification;  
Natural Quality Classification

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :IL003-01

STATE :IL  
 DATA BASE NAME :IL Streams Information System  
 DATA BASE ACRONYM :ISIS  
 SUBJECT COVERAGE :Stream and station data  
 GEOGRAPHIC COVERAGE :Sangamon River Basin; statewide eventually  
 STATUS :Under development  
 AGENCY :IL Department of Conservation  
 RESPONDENT :Gregg Tichacok, Resource Planner  
 IL Department of Conservation  
 Lincoln Tower Plaza  
 524 South Second Street  
 Springfield, IL 62706  
 Telephone: 217-782-3884  
 OTHER CONTACTS :Richard Westfall, Resource Planner  
 Address and phone same as above  
 Robert B. Riley  
 Department of Landscape Architecture  
 University of IL, Room 214 Mumford Hall  
 1301 West Gregory Drive  
 Urbana, IL 61801  
 Telephone: 219-333-0178

#### COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 175  
 RESIDENCE :University of IL - Urbana  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Partial (once the graphics package is completely  
 developed they will be able to generate computer  
 drawn maps of state - basin or individual watersheds  
 down to 10 square miles drainage, and show linear  
 and point data along a stream and over an entire  
 basin, however this will be restricted to stream  
 trace)

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :At ISIS headquarters at U of I: monochrome graphics  
 CRT, tablet-free cursor digitizer, hard copy terminal,  
 alphanumeric CRT

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Streams -  
 water quality rating, drainage area, elevation, land  
 cover, bankside vegetation, terrestrial animal species,  
 threatened and endangered species, natural areas,  
 historic sites, publicly owned land, access sites,  
 recreation use, intrusions, station data  
 GEOGRAPHIC COVERAGE :Sangamon River Basin (Central IL); statewide eventually  
 (Recreation and access site information will be state-

wide by Oct '83; Intrusion-discharge-location and type  
 are being loaded presently statewide to be completed  
 by Jan '84)  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 River Mile Index (RMI)  
 Station number  
 USEPA reach  
 MINIMUM RESOLUTION :0.1 mile along stream trace  
 10 square mile drainage basin  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, interactive  
 video display capability, computer tape, composite  
 mapping of streams, modelling capability, maps -  
 variable scale (soon)  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Varies with data item  
 CONFIDENTIALITY :Raw fisheries and other data are protected by access  
 codes  
 CLASSIFICATION :Station data taken directly from field surveys con-  
 ducted by IL Department of Conservation, IL Environ-  
 mental Protection Agency, IL Natural History Survey,  
 IL State Water Survey, and US Geological Survey  
 COMMENTS :Data base initiated in 1981; not yet complete  
 Water quality and quantity data are also in STORLT,  
 as is fish and invertebrate data

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DOCUMENTATION : "Introduction to ISIS", "ISIS User's Manual", "ISIS  
 Data Description Manual", "ISIS Data Base Manual",  
 "ISIS River Mile Index and Reference Manual"  
 USER FEES POLICY :Once sufficient basins are on-line, they intend to  
 provide both over the counter and subscriber services  
 for a fee  
 DATE OF INFORMATION :9/28/83  
 PAPER FILE NUMBER :IL9

ORIGINAL PAGE IS  
 OF POOR QUALITY

IL003-01

CODE :IL004-01

STATE :IL  
DATA BASE NAME :IL Archaeological Sites Data Base  
SUBJECT COVERAGE :Descriptions and locations of archaeological sites in  
Illinois  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Under development  
AGENCY :IL State Museum  
RESPONDENT :Mike Wiant  
IL State Museum  
#5, Old Capitol Plaza South  
Springfield, IL 62706

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Archaeological sites  
GEOGRAPHIC COVERAGE :Statewide  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously  
CONFIDENTIALITY :In-house use only

=====

DATE OF INFORMATION :8/1/83  
PAPER FILE NUMBER :IL99

ORIGINAL PAGE IS  
OF POOR QUALITY

IL004-01

CODE :IL005-01

STATE :IL  
 DATA BASE NAME :IL Lands Unsuitable for Mining Information System  
 SUBJECT COVERAGE :Climate/weather, demography, energy, geology, ground-water hydrology, surface water hydrology, land use, boundaries, soils data, vegetation, and wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Under development. The Lands Unsuitable for Mining Program is being supported by five state agencies: the Natural History Survey, Geological Survey, Water Survey, State Museum and the Division of Energy and Environmental Affairs (all divisions of the Illinois Department of Energy and Natural Resources). The Natural History Survey is the lead agency.

At this time, a 1:500,000-scale data base is being developed for select features statewide. Detailed data for surface-minable areas in Illinois (approximately 10,000 square miles) has been proposed for entry at a scale of 1:62,500, including data on coal/lignite resources, water body types, stream orders, land cover (forests, water, cropland, pasture, urban/built-up), land use (timber, cropland, transportation, urban/-built-up, recreation, parks, unique areas, historical and archaeological sites), soils types, and vegetation communities.

AGENCY :IL Natural History Survey  
 RESPONDENT :Colin Troworgy, Systems Analyst  
 IL Natural History Survey  
 Department of Energy and Natural Resources  
 Natural Resources Building  
 607 East Peabody Drive  
 Champaign, IL 61820  
 Telephone: 217-333-8907  
 OTHER CONTACTS :Warren Brigham  
 Lands Unsuitable Project Manager  
 :Paul Kisser, Chief  
 IL Natural History Survey  
 Telephone: 217-333-6830

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 750  
 IBM 4341  
 CDC CYBER 175  
 RESIDENCE :In-house and at the University of Illinois  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

#### OPERATING SYSTEM SYSTEM CAPACITY

:PRIMOS  
 :Main memory: 3MB  
 :Disc storage: 600MB  
 :Simultaneous users supported: 32

#### LANGUAGE(S) SPECIALIZED SOFTWARE

:FORTRAN  
 :ARC/INFO (ESRI)  
 :ELAS (NASA)  
 :INFO (HUNCO)  
 :Minitabs  
 :MUSE (word processing package)

#### PERIPHERAL DEVICES

:4 monochrome graphics CRTs, 3 color graphics CRTs,  
 5 Calcomp digitizers, line printer, drum pen plotter,  
 5 alphanumeric CRTs (equipment distributed between five offices in two cities)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
 rainfall, wind, exposure, evapotranspiration, temperature, snowfall/snow depth  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 MINIMUM RESOLUTION :1 square mile  
 DATA STORAGE FORMAT :Arc/node, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Daily  
 COMMENTS :Source data are collected daily, but data base only contains information on station location and type of data collected; specific data can be interfaced with this on an as-needed basis

DATA CATEGORY NAME :Demography -  
 populations, economic aspects  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :By county, by township  
 DATA STORAGE FORMAT :Coordinate point, tabular  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 10 years

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IL005-01

DATA CATEGORY NAME :Energy -  
coal/lignite resources, transmission

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :1 square mile

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display capability

DATA SOURCES :Primary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Every 5 years

DATA CATEGORY NAME :Geology -  
physiography, surficial geology, bedrock geology,  
exploration/extraction, records of borings

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Not yet decided

MINIMUM RESOLUTION :1 square mile; site specific (borings)

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display

DATA SOURCES :Primary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Monthly (borings); irregular (other data types)

CLASSIFICATION :USGS Stratigraphic Nomenclature, North American  
Stratigraphic Code

DATA CATEGORY NAME :Groundwater hydrology -  
quantity, quality, discharge/pumpage

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :1 square mile; site specific

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display capability

DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Variable

ORIGINAL PAGE IS  
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DATA CATEGORY NAME :Surface water hydrology -  
quality, water body type, watershed boundaries,  
floodplains, flood prone areas, stream orders

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :1 square mile; site specific

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display capability

DATA SOURCES :Primary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Variable

COMMENTS :Some data routinely supplied to the Environmental  
Protection Agency's STORET data base

DATA CATEGORY NAME :Land Use -  
transportation, recreation, parks, unique areas

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :1 square mile

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display

DATA SOURCES :Secondary

LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Boundaries -  
state, counties, townships, watersheds

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :Data are accurate to within 200'

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), modelling capability, statis-  
tical summaries, composite mapping, interactive video  
display capability

DATA SOURCES :Primary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Annually

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DATA CATEGORY NAME :Soils data -  
association, capability class

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :1 square mile

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display

DATA SOURCES :Secondary

LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :Irregular

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DATA CATEGORY NAME :Vegetation -  
species, communities, rare, endangered, natural  
divisions, ecoregions, 1820 forest/prairie distri-  
bution, potential natural vegetation, vegetation  
divisions

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :By county; 1 square mile

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display capability

DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :Annually (collection information); seldom (other  
data types)

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DATA CATEGORY NAME :Wildlife -  
game (mammals), game (fish), non-game (mammals), non-  
game (fish), non-game (marine/estuarial), non-game  
(reptiles/amphibians), habitat, threatened, endangered

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
State Plane Coordinates

MINIMUM RESOLUTION :By county; 1 square mile; site specific

DATA STORAGE FORMAT :Arc/node, coordinate point, tabular

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
interactive video display capability

DATA SOURCES :Primary

LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :Annually; every 5 years; every 10 years

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DOCUMENTATION :Will be available in 1984

USER FEES POLICY :No policy established

DATE OF INFORMATION :7/14/83

PAPER FILE NUMBER :114

ORIGINAL PAGE IS  
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CODE : IL006-01

STATE : IL  
 DATA BASE NAME : Coal Resource and Mining Data Files  
 SUBJECT COVERAGE : Coal and mining data  
 GEOGRAPHIC COVERAGE : IL Basin Coal Field  
 STATUS : Data Base consists of the following files:  
     Coal Resource Data  
     Mine Information File  
     Mine Mined-out Areas  
     Mine Subsidence Insurance Data  
 Also:  
     ILLINAP Base Map  
 These files will be maintained on the IL Lands Unsuitable for Mining Information System (see IL005-01)  
 AGENCY : IL State Geological Survey  
 RESPONDENT : Paul DuMontelle, Geologist and Head, Engineering Geology Section  
     IL State Geological Survey  
     Department of Energy and Natural Resources  
     121 Natural Resources Building  
     615 East Pembury Drive  
     Champaign, IL 61820  
     Telephone: 217-333-5114  
 OTHER CONTACTS : Dr. Morris Leighton, Chief  
     Telephone: 217-344-1481  
     Lyndal H. VanDyke, Head, Computer Services  
     Telephone: 217-333-5102

#### COMPUTER FACILITIES

COMPUTER(S) : INSAI  
     ALTAIR  
     APPLE  
     IBM-PC  
     DEC PDP 11/34  
     IBM 4341  
     CYBER 194  
     CYBER 195  
 RESIDENCE : In-house (PDP 11/34 & 11/10);  
     University of IL Digital Computer Lab (IBM 4341  
     CYBER 194 & 195)  
 OPERATION : Batch and Interactive  
 GIS CAPABILITY : Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM : RSX-11M and RT11 on Remote Job Entry system  
 SYSTEM CAPACITY : Main memory: 256K  
     Disc Storage: 284B drive + two 5MB drives  
     Simultaneous users supported: 10  
 LANGUAGE(S) : FORTRAN  
     Assembler

#### SPECIALIZED SOFTWARE PERIPHERAL DEVICES

#### BASIC ILLINAP

: Monochrome graphics CRT, tablet-free cursor digitizers (2), line printer (character graphics) dot matrix printer with graphics, drum pen plotter (2), alphanumeric CRT's (14), small flatbed pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Mining -  
     coal resources, mine information, mined-out areas, mine subsidence insurance data  
 GEOGRAPHIC COVERAGE : IL Basin Coal Field (most of the state, area excludes about the northern fifth of the state and parts of the eastern border and the southern tip)  
 GEOGRAPHIC REFERENCE : Latitude/longitude  
     Public Land Survey  
 MINIMUM RESOLUTION : Ownership unit, county, site specific  
 DATA STORAGE FORMAT : Polygon, coordinate point, tabular  
 OUTPUT PRODUCTS : Maps - variable scale, tables, statistical summaries  
 DATA SOURCES : Primary  
 UPDATE FREQUENCY : Monthly, annually, or as area studies are completed  
 CONFIDENTIALITY : Some files which indicate company resources, and mine maps; some insurance information  
 COMMENTS : Data is supplied to USGS CRIB. These data will be maintained on the Lands Unsuitable for Mining Information System, now under development (see IL005-01)

DATA CATEGORY NAME : Boundaries -  
     state, counties, townships, ILLINAP  
 GEOGRAPHIC COVERAGE : IL Basin Coal Field (most of the state, excludes the northern fifth of the state, the eastern boundary, and the southern tip)  
 GEOGRAPHIC REFERENCE : Latitude/longitude  
     Public Land Survey  
 DATA STORAGE FORMAT : Polygon, coordinate point, tabular  
 OUTPUT PRODUCTS : Maps - variable scale, tables, statistical summaries  
 DATA SOURCES : Primary  
 COMMENTS : These data will be maintained on the Lands Unsuitable for Mining Information System, now under development (see IL005-01) For further information on ILLINAP, see IL007-04

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USER FEES POLICY : Services and products available at no charge; however, charges may be made for contract publications.  
 DATE OF INFORMATION : 8/12/83  
 PAPER FILE NUMBER : IL12

ORIGINAL PAGE IS  
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IL006-01

CODE :IL006-02

STATE :IL  
DATA BASE NAME :Landslide Information File  
SUBJECT COVERAGE :Information on landslides occurring in IL  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :IL State Geological Survey  
RESPONDENT :Paul DuMontelle, Geologist and Head,  
Engineering Geology Section  
IL State Geological Survey Division  
IL Department of Energy and Natural Resources  
121 Natural Resources Building  
615 East Peabody Drive  
Champaign, IL 61820  
Telephone: 217-333-5114  
OTHER CONTACTS :Dr. Morris Leighton, Chief  
Telephone: 217-344-1481  
Lyndal VanDyke, Head, Computer Services  
Telephone: 217-333-5102

#### COMPUTER FACILITIES

COMPUTER(S) :INSAI  
ALTAIR  
APPLE II  
IBM PC  
DEC PDP 11/34  
IBM 4341  
CDC CYBER 194  
CDC CYBER 195  
RESIDENCE :In-house (PDP 11/34 & 11/10)  
University of IL Digital Computer Lab (IBM 4341,  
Cyber 194 & 195)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system  
SYSTEM CAPACITY :Main memory: 256K  
Disc Storage: 28 MB drive and two 5 MB drives  
Simultaneous users supported: 10  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :ILLINAP (see IL007-04)  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digi-  
tizers (2), line printer (character graphics),  
dot matrix printer with graphics, small flatbed  
pen plotter, drum pen plotter (2), alphanumeric  
CRT's (14)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural disasters -  
engineering information summary file for projects in IL:  
description of landslide (size, cause, type, active or  
inactive), economic aspects, surficial and bedrock geology,  
relief, erosion  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
Street Address & Zip Code  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Summary data  
DATA SOURCES :Primary and secondary  
UPDATE FREQUENCY :Continuously  
COMMENTS :Data is supplied to USGS as a 1:500,000 scale map)

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DOCUMENTATION :"Landslide Information Report Form"  
USER FEES POLICY :No, products and services available at no charge, but  
charges may be made for contract publications  
DATE OF INFORMATION :9/7/83  
PAPER FILE NUMBER :IL12-2

ORIGINAL PAGE IS  
OF POOR QUALITY

IL006-02

CODE :IL007-01

STATE :IL  
DATA BASE NAME :Miners Data Base  
SUBJECT COVERAGE :Black shale and natural gas energy resources in IL  
GEOGRAPHIC COVERAGE :The southern two-thirds of the state, where black shale occurs in the IL Basin  
AGENCY :IL State Geological Survey  
RESPONDENT :Lyndal VanDyke, Head, Computer Services  
IL State Geological Survey Division  
Department of Energy and Natural Resources  
121 Natural Resources Building  
615 East Peabody Drive  
Champaign, IL 61820  
Telephone: 217-333-5102

COMPUTER FACILITIES

COMPUTER(S) :INSAI  
:ALTAIR  
:APPLE II  
:IBM PC  
:DEC PDP 11/34  
:IBM 4341  
:CDC CYBER 194  
:CDC CYBER 195  
RESIDENCE :In-house (DEC PDP 11/34 & 11/10) and  
University of IL Digital Computer Lab  
(IBM 4341, CDC Cyber 194 & 195)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system  
SYSTEM CAPACITY :Main memory: 256K  
Disc storage: 28 MB drive and two 5 MB drives  
Simultaneous users supported: 10  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :ILLINAP (see IL007-04)  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free digitizers  
(2), line printer (character graphics), dot  
matrix printer with graphics, small flatbed  
pen plotter, drum pen plotters (2), alphanumeric  
CRT's (14)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
resources - natural gas, black shale  
GEOGRAPHIC COVERAGE :The portion of the IL Basin covered by black

shale (approximately the southern 2/3's of the state)  
GEOGRAPHIC REFERENCE :Public Land Survey  
Lambert conic  
MINIMUM RESOLUTION :Study covered IL Basin but well data located  
within 200 feet of actual ground position  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Computer tape, publication  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Update not anticipated

=====

USER FEES POLICY :Products and services available at no charge, but  
this may change by 1/1/85  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :IL14-1

ORIGINAL PAGE IS  
OF POOR QUALITY

IL007-01

CODE :ILO07-02

STATE :IL  
DATA BASE NAME :Waterflood Oil Production Data Base  
SUBJECT COVERAGE :Oil resources and production by waterflood in IL  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :IL State Geological Survey  
RESPONDENT :Lyndal VanDyke, Head, Computer Services  
IL State Geological Survey Division  
Department of Energy and Natural Resources  
121 Natural Resources Building  
615 East Penbody Drive  
Champaign, IL 61820  
Telephone: 217-333-5102

#### COMPUTER FACILITIES

COMPUTER(S) :INSAI  
:ALTAIR  
:APPLE II  
:IBM PC  
:DEC PDP 11/34  
:IBM 4341  
:CDC CYBER 194  
:CDC CYBER 195  
RESIDENCE :In-house (DEC PDP 11/34 & 11/10) and  
University of IL Digital Computer Lab  
(IBM 4341, CDC CYBER 194 & 195)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system  
SYSTEM CAPACITY :Main memory: 256K  
Disc storage: 28 MB drive and two 5 MB drives  
Simultaneous users supported: 10  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :ILLINAP (see ILO07-04)  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digitizers (2), line printer (character graphics), dot matrix printer with graphics, small flatbed pen plotter, drum pen plotters (2), alphanumeric CRT's (14)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
resources - oil, oil production by waterflood  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION :10 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Annual publication of oil production data from  
waterflood operations  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annually  
COMMENTS :Data is supplied to the Oil Information Center,  
Norman, OK; last updated 1981

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USER FEES POLICY :Products and services available at no charge, but  
this may change by 1/1/85.  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :IL14-2

ORIGINAL PAGE 19  
OF POOR QUALITY

CODE :IL007-03

STATE :IL  
DATA BASE NAME :Basic Well Data  
SUBJECT COVERAGE :Coal, natural gas and oil well data for IL  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base will be included in the IL lands  
Unsuitable for Mining Data Base (see IL005-01)  
AGENCY :IL State Geological Survey  
RESPONDENT :Lyndal VanDyke, Head, Computer Services  
IL State Geological Survey Division  
Department of Energy and Natural Resources  
121 Natural Resources Building  
615 East Peabody Drive  
Champaign, IL 61820  
Telephone: 217-333-5102

#### COMPUTER FACILITIES

COMPUTER(S) :INSAI  
:ALTAIR  
:APPLE II  
:IBM PC  
:DEC PDP 11/34  
:IBM 4341  
:CDC CYBER 194  
:CDC CYBER 195  
RESIDENCE :In-house (CED PDP 11/34 & 11/10) and  
University of IL Digital Computer Lab  
(IBM 4341, CDC CYBER 194 & 195)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system  
SYSTEM CAPACITY :Main memory: 256K  
Disc storage: 28 MB drive and two 5 MB drives  
Simultaneous users supported: 10  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :ILLINAP (see IL007-04)  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digi-  
tizers (2), line printer (character graphics),  
dot matrix printer with graphics, small flatbed  
pen plotter, drum pen plotters (2), alphanumeric  
CRT's (14)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
resources: coal/lignite, natural gas, oil

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
Lambert coordinates  
MINIMUM RESOLUTION :located to the foot, but allow 200 feet error  
in the data base  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously (data); data base will be updated  
twice a year, hopefully  
COMMENTS :This data base will be included in the IL lands  
Unsuitable for Mining Data Base which is under  
development (see IL005-01).

USER FEES POLICY :Products and services available at no charge, but  
this may change by 1/1/85.  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :IL14-3

ORIGINAL PAGE IS  
OF POOR QUALITY

IL007-03

CODE :IL007-04

STATE :IL  
DATA BASE NAME :ILLIMAP  
SUBJECT COVERAGE :A computer-based mapping system for IL, includes  
boundaries and base-line data  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Will be included in the IL Lands Unsuitable for  
Mining Data Base (see IL005-01)  
AGENCY :IL State Geological Survey  
RESPONDENT :Lyndal VanDyke, Head, Computer Services  
IL State Geological Survey Division  
Department of Energy and Natural Resources  
121 Natural Resources Building  
615 East Peabody Drive  
Champaign, IL 61820

#### COMPUTER FACILITIES

COMPUTER(S) :JMSAI  
:ALT:IR  
:APPLE II  
:IBM PC  
:DEC PDP 11/34  
:IBM 4341  
:CDC CYBER 194  
:CDC CYBER 195  
RESIDENCE :In-house (PDP 11/34 & 11/10) and  
University of IL Digital Computer Lab  
(IBM 4341, CDC CYBER 194 & 195)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system  
SYSTEM CAPACITY :Main memory: 256K  
Disk storage: 28 MB drive and two 5 MB drives  
Simultaneous users supported: 10  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digi-  
tizers (2), line printer (character graphics),  
dot matrix printer with graphics, small flatbed  
pen plotter, drum pen plotters (2), alphanumeric  
CRT's (14)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries -  
state, counties, townships, coordinates  
GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Public Land Survey  
Lambert coordinates  
MINIMUM RESOLUTION :Values are calculated to the foot  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping,  
computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :As errors are found  
COMMENTS :Will be included in the IL Lands Unsuitable for  
Mining Data Base (see IL005-01)

DOCUMENTATION :ISGS Circular 451, "ILLIMAP - A Computer-Based  
Mapping System for Illinois", 1970  
USER FEES POLICY :Products and services available at no charge, but  
this may change by 1/1/85.  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :IL14-4

ORIGINAL PAGE 19  
OF POOR QUALITY

CODE :ILO08-01

STATE :IL  
DATA BASE NAME :Ground Water Quality Data Base  
SUBJECT COVERAGE :Ground water quality and discharge data for the State of Illinois  
GEOGRAPHIC COVERAGE :Statewide, but variable based on ground water use  
STATUS :A project has just begun in which the data base is to be reviewed, corrected where possible, flagged for reliability, and perhaps restructured;  
A version of the data base will reside on the Lands Unsuitable for Mining Information System (see ILO05-01).  
AGENCY :IL State Water Survey  
RESPONDENT :Susan Schock, Hydrologic Data Analyst  
Department of Energy and Natural Resources  
605 East Springfield Avenue  
PO Box 5050, Station A  
Champaign, IL 61820  
Telephone: 217-333-9042  
OTHER CONTACTS :James Gibb, Chief, Groundwater Section  
Telephone: 217-333-0236

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 4341  
CDC CYBER 174  
CDC CYBER 175  
PRIME  
DEC VAX 1170  
RESIDENCE :University of Illinois (CYBER 174 & 175, IBM 4341);  
In-house (will have a DEC VAX 1170 in Spring, 1984);  
Lands Unsuitable for Mining Program (PRIME)  
OPERATION :Batch and Interactive  
(not automatic, cumbersome at present, to be improved)  
GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, line printer (character graphics), drum pen plotter, hard copy terminal, alphanumeric CRT's (2-6); will have a dot matrix printer with graphics in Spring of 1984

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
water quality, non-point pollution, discharge/  
pumpage, well location  
GEOGRAPHIC COVERAGE :Statewide, but mainly in the northern third and  
eastern border of the state, due to variability  
in ground water use  
GEOGRAPHIC REFERENCE :Public Land Survey  
Latitude/longitude (few)

MINIMUM RESOLUTION :10 acres, 640 acres, township, county, management unit, ownership unit  
DATA STORAGE FORMAT :Tabular, presently in STORET format  
OUTPUT PRODUCTS :Computer tape, presently self programmed access  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate to low, but expect to improve on reliability  
UPDATE FREQUENCY :Every two to six months, as volume dictates  
CONFIDENTIALITY :Permission of Section Head needed for use of data base  
COMMENTS :Data is supplied to STORET

DOCUMENTATION :Documentation on data structure will be updated in Spring or Summer of 1984, documentation on data encoding format/ procedure will become available in 1986  
USER FEES POLICY :No policy has been established; some users may be charged in the future  
DATE OF INFORMATION :9/19/83  
PAPER FILE NUMBER :ILJ7-1

ORIGINAL PAGE 14  
OF POOR QUALITY

ILO08-01

CODE :IL009-01

LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annual  
CLASSIFICATION :Carlson's trophic state index  
COMMENTS :Data is supplied to USEPA - STORET

STATE :IL  
DATA BASE NAME :Ambient Lakes Database  
SUBJECT COVERAGE :Surface water quality data  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :These data on lakes are supplied to STORET. Other data of IL EPA: stream and special survey data are stored in the STORET system; ambient stream data is also stored by cooperative agreement with USGS in the WATSTORE system.  
AGENCY :IL Environmental Protection Agency  
RESPONDENT :John Little, E. P. Specialist  
IL Environmental Protection Agency  
2200 Churchill Road  
Springfield, IL 62706  
Telephone: 217-782-3362  
OTHER CONTACTS :Jill Hardin, E. P. Specialist  
Telephone: 217-782-3362  
Eugene F. Seebald, P.E., Manager, Water Pollution Control  
Telephone: 217-782-1654

DOCUMENTATION :Available on software and data structure  
USER FEES POLICY :Products and services are available at no charge  
DATE OF INFORMATION :8/31/83  
PAPER FILE NUMBER :1115

#### COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052  
TEKTRONIX 4054  
CYBER  
RESIDENCE :In-house  
University of IL (CYBER)  
STORET  
OPERATION :Batch and interactive  
GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :TEKTRONIX  
SYSTEM CAPACITY :Main memory: 64,000 bytes  
Disc storage: 1.20 megabytes  
Simultaneous users supported: 1  
LANGUAGE(S) :BASIC  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT50  
PERIPHERAL DEVICES :Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), hard copy terminal

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
quality, return flows  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Lake  
MINIMUM RESOLUTION :Site specific  
OUTPUT PRODUCTS :Tables, graphics, statistical summaries  
DATA SOURCES :Primary

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IL009-01



CODE :IN001-01

Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks, and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)

STATE :IN  
DATA BASE NAME :Model Implementation Project Data Base  
SUBJECT COVERAGE :Climate/weather, demography, energy, environmental quality,  
geology, ground and surface waters, land cover, boundaries,  
soils data, topography, vegetation, and wildlife  
GEOGRAPHIC COVERAGE :Eagle Creek and Stotts Creek Watersheds (150,000 acres in  
central IN)  
AGENCY :Butler University  
RESPONDENT :Richard F. Hyde, Director, REA Program  
Holcomb Research Institute  
Butler University  
4600 Sunset Avenue  
Indianapolis, IN 46208  
Telephone: 317-283-9555  
OTHER CONTACTS :Darrel Fisher, Business Manager  
Telephone: 317-283-9421  
Nicholas Vesper, Director, University Computing  
Telephone: 317-283-9420

#### COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/780  
RESIDENCE :University Computer Center  
OPERATION :Batch  
GIS CAPABILITY :Yes

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
rainfall, wind, evapotranspiration, temperature  
GEOGRAPHIC COVERAGE :Two watersheds in central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks, and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Seasonally

DATA CATEGORY NAME :Demography -  
populations, social aspects, economic aspects  
GEOGRAPHIC COVERAGE :Two watersheds in Central IN:

GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Energy -  
resources - coal/lignite, natural gas, oil,  
transmission

GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks, and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies  
CLASSIFICATION :Anderson

DATA CATEGORY NAME :Environmental quality -  
water quality, hazardous wastes, point pollution,  
non-point pollution (agricultural), best management  
practices affecting water quality  
GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks, and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape

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IN001-01

DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Varies  
 UPDATE FREQUENCY :Varies  
 CLASSIFICATION :Anderson

DATA CATEGORY NAME :Geology -  
 physiography, surficial geology, bedrock geology,  
 exploration/extraction  
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
 Eagle Creek Watershed (parts of Boone, Hamilton,  
 Hendricks, and Marion Counties)  
 Stotts Creek Watershed (parts of Monroe and Brown  
 Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
 Ad hoc grid  
 MINIMUM RESOLUTION :5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
 graphics, modelling capability, statistical summaries,  
 computer tape

DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Varies  
 UPDATE FREQUENCY :Varies  
 CLASSIFICATION :Anderson

DATA CATEGORY NAME :Groundwater -  
 quantity, quality, well location, aquifers  
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
 Eagle Creek Watershed (parts of Boone, Hamilton,  
 Hendricks, and Marion Counties)  
 Stotts Creek Watershed (parts of Monroe and Brown  
 Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
 Ad hoc grid  
 MINIMUM RESOLUTION :5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, maps - one scale only, tables,  
 graphics, modelling capability, statistical summaries,  
 composite mapping, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Varies  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Surface water -  
 discharge/volume/stage, quality, watershed boundaries,  
 floodplains, flood prone areas, stream orders, runoff  
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:

Eagle Creek Watershed (parts of Boone, Hamilton,  
 Hendricks, and Marion Counties)  
 Stotts Creek Watershed (parts of Monroe and Brown  
 Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
 Ad hoc grid  
 MINIMUM RESOLUTION :5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
 graphics, modelling capability, statistical summaries,  
 computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Varies  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Land cover -  
 timber, mineral extraction/energy production, crop-  
 land (type, acreage, conservation measures), live-  
 stock production, forests (size, location, erosion),  
 transportation, urban/built-up, recreation, parks,  
 ownership, land use changes and trends  
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
 Eagle Creek Watershed (parts of Boone, Hamilton,  
 Hendricks, and Marion Counties)  
 Stotts Creek Watershed (parts of Monroe and Brown  
 Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
 Ad hoc grid  
 MINIMUM RESOLUTION :5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
 graphics, modelling capability, statistical summaries,  
 computer tape

DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Varies  
 UPDATE FREQUENCY :Varies  
 CLASSIFICATION :Anderson

DATA CATEGORY NAME :Boundaries -  
 state, counties, townships, census blocks, watersheds,  
 river basins, regional planning districts  
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
 Eagle Creek Watershed (parts of Boone, Hamilton,  
 Hendricks, and Marion Counties)  
 Stotts Creek Watershed (parts of Monroe and Brown  
 Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
 Ad hoc grid  
 MINIMUM RESOLUTION :5 acres  
 DATA STORAGE FORMAT :Grid

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OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies  
CLASSIFICATION :Anderson

DATA CATEGORY NAME :Soils data -  
type, series, association, engineering character-  
istics, capability class, productivity, erosion,  
conservation measures  
GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Topography -  
elevation, slope, aspect  
GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks, and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Vegetation -  
communities, biomass/volume

GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks, and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies  
CLASSIFICATION :Anderson

DATA CATEGORY NAME :Wildlife -  
fish (game and non-game), benthic organisms, habitat  
GEOGRAPHIC COVERAGE :Two watersheds in Central IN:  
Eagle Creek Watershed (parts of Boone, Hamilton,  
Hendricks and Marion Counties)  
Stotts Creek Watershed (parts of Monroe and Brown  
Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :5 acres, site specific  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables,  
graphics, modelling capability, statistical summaries,  
computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Varies

DOCUMENTATION : "Data Documentation - Model Implementation Project"  
Holcomb Research Institute, January 1982  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :6/30/83  
PAPER FILE NUMBER :101

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CODE :IN001-02

STATE :IN  
DATA BASE NAME :Planning Region 8 - Eight County Data Base  
SUBJECT COVERAGE :Land cover, geology, and topography  
GEOGRAPHIC COVERAGE :Eight counties in Central IN  
AGENCY :Butler University  
RESPONDENT :Richard F. Hyde, Director, REA Program  
Holcomb Research Institute  
Butler University  
4600 Sunset Avenue  
Indianapolis, IN 46208  
Telephone: 317-283-9555  
OTHER CONTACTS :Darrel Fishel, Business Manager  
Telephone: 317-283-9421  
Nicholas Vespor, Director, University Computing  
Telephone: 317-283-9420

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/780  
RESIDENCE :University computer center  
OPERATION :Batch  
GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land cover -  
barren land, forest land, water, wetlands, cropland  
(type, acreage), pasture, urban/built-up, floodplains,  
changes  
GEOGRAPHIC COVERAGE :Planning Region 8 (Boone, Hamilton, Hendricks, Marion,  
Hancock, Morgan, Johnson, and Shelby Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :500 meter cell  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annual  
CLASSIFICATION :Anderson

DATA CATEGORY NAME :Geology -  
surface, subsurface  
GEOGRAPHIC COVERAGE :Planning Region 8 (Boone, Hamilton, Hendricks, Marion,  
Hancock, Morgan, Johnson, and Shelby Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid

MINIMUM RESOLUTION :500 meter cell  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annual

DATA CATEGORY NAME :Topography -  
elevation, slope, aspect, relief  
GEOGRAPHIC COVERAGE :Planning Region 8 (Boone, Hamilton, Hendricks, Marion,  
Hancock, Morgan, Johnson, and Shelby Counties)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Ad hoc grid  
MINIMUM RESOLUTION :500 meter cell  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annual

USER FEES POLICY :No policy established  
DATE OF INFORMATION :6/30/83  
PAPER FILE NUMBER :INI

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IN001-02

CODE :IN002-01

STATE :IN  
DATA BASE NAME :IN Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Indiana and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :IN Department of Natural Resources  
RESPONDENT :Jim Aldrich, Environmental Specialist  
IN Heritage Program  
IN Department of Natural Resources  
Division of Outdoor Recreation  
612 State Office Building  
Indianapolis, IN 46204  
Telephone: 317-232-4078  
OTHER CONTACTS :Mike Homoya, Plant Ecologist  
Tom Post, Plant Ecologist  
Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IHM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :IN6

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IN002-01

CODE :KS001-01

STATE :KS  
 DATA BASE NAME :KS Policy Database System  
 DATA BASE ACRONYM :KPDS  
 SUBJECT COVERAGE :Agriculture, atmospheric resources, business and industry, culture, education, government, health, housing, labor, land, minerals and energy, population, public safety, recreation, revenue, social services, transportation, water, wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :KPDS is an interactive program that lets the user at a computer terminal retrieve data about KS counties and perform statistical analysis. KPDS has two major parts called retrieval mode and processing mode. Retrieval mode lets the user access data from the KPDS database and display it on the terminal or save it in a file. In processing mode the user can perform analysis on data obtained in retrieval mode. Processing mode also has facilities to produce reports, charts, graphs and maps based on KPDS data. Over 1000 variables are present in the database covering the major resource areas mentioned above under subject coverage. These are maintained from 1950 to the present. Data is available at county, SNSA, manpower district, planning region, and state levels.  
 AGENCY RESPONDENT :Center for Public Affairs  
 :Arlene Slocum, Research Associate  
 Center for Public Affairs  
 607 Blake Hall  
 University of Kansas  
 Lawrence, KS 66045  
 Telephone: 913-864-3701

#### COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL DPS 3/E  
 RESIDENCE :University of KS Academic Computer Center  
 GIS CAPABILITY :No

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - populations, cultural data, education statistics, business and industry statistics, government, health statistics, housing statistics, labor statistics, public safety statistics, revenue, social services, transportation  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 SNSA level  
 Planning region  
 Manpower district  
 State

MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, statistical summaries, interactive video display, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annually, every 10 years, periodic, and one time  
 COMMENTS :Data is collected by various agencies  
 Last update: June 1983

DATA CATEGORY NAME :Agriculture - number of farms, acres of crops harvested, value of crops  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive video display, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual  
 COMMENTS :Data collected by KS State Board of Agriculture  
 Last update: June 1983

DATA CATEGORY NAME :Climate/weather - rainfall (days/month with greater than 10 inches), snowfall, precipitation, temperature, frost-free days, atmospheric pollutants  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive video display, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual, every 10 years, periodic, and one time  
 COMMENTS :Data collected by KS State University  
 Last update: June 1983

DATA CATEGORY NAME :Land cover - barren land, wetlands, urban/built-up  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County

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KS001-01

DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive  
 video display, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 3 years  
 COMMENTS :Data collected by Land Use Data Association, USGS  
 Last update: June 1983

DATA CATEGORY NAME :Energy -  
 oil, gas, coal, minerals, production, wells  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive  
 video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual, periodic, and one time  
 COMMENTS :Data collected by KS Geological Survey, Bureau of  
 Census, Natural Gas Processors Association  
 Last update: June 1983

DATA CATEGORY NAME :Recreation -  
 state parks, county parks, city parks, water acreage,  
 land acreage, developed acreage, facilities, private  
 recreation areas  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive  
 video display, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual, every 10 years, periodic, and one time  
 COMMENTS :Data collected by KS Park and Resources Authority  
 Last update: June 1983

DATA CATEGORY NAME :Groundwater hydrology -  
 use, number wells, water level, number measurements  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County

DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive  
 video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual, every 10 years, periodic and one time  
 COMMENTS :Data collected by KS Geological Survey and US Geo-  
 logical Survey. Last update: June 1983

DATA CATEGORY NAME :Surface water hydrology -  
 use  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive  
 video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual, every 10 years, periodic and one time  
 COMMENTS :Data collected by KS Geological Survey  
 Last update: June 1983

DATA CATEGORY NAME :Wildlife -  
 Game - mammals, game - birds, game - fish, licences,  
 harvests, hunting, attendance at state lakes  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 State  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive  
 video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual, every 10 years, periodic and one time  
 COMMENTS :Data collected by KS Forestry, Fish and Game Commis-  
 sion. Last update: June 1983

DOCUMENTATION :Computer printout - list of KIDS variables, general  
 information are available  
 USER FEES POLICY :Fees established by University Computer Center  
 DATE OF INFORMATION :8/23/83  
 PAPER FILE NUMBER :KS2

ORIGINAL PAGE IS  
 OF POOR QUALITY

CODE :KS002-01

STATE :KS  
 DATA BASE NAME :Kansas Data Base  
 DATA BASE ACRONYM :KDB  
 SUBJECT COVERAGE :Base data (Public Land Survey, state and county boundaries)  
 surface hydrology, transportation, other cultural data  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Base data is 85 percent complete, other approximately  
 10 to 20 percent complete  
 AGENCY :KS Geological Survey  
 RESPONDENT :Joe Brentano, Research Assistant  
 KS Geological Survey  
 Advanced Projects  
 University of Kansas  
 1930 Constant Avenue - Campus West  
 Lawrence, KS 66044  
 Telephone: 913-864-4991  
 OTHER CONTACTS :Charles Ross, Research Associate  
 John Davis, Chief, Advanced Projects Section  
 Chris Roche, Manager, Automated Cartography Unit

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes (Goodata Interactive Management Map Analysis and  
 Production System (GINMAP) for cartography and SURFACE II  
 for contouring)

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 Disc storage: 744 MB  
 Simultaneous users supported: 52  
 LANGUAGE(S) :FORTRAN 5  
 FORTRAN 77  
 BASIC  
 RATTOR  
 Assembler  
 SPECIALIZED SOFTWARE :GINMAP  
 SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson Stratos  
 42 printer/plotter, Tektronix 4014-1 (two), Tektronix  
 4113 color raster terminal, Xynetics 1100 flatbed plotter  
 (with P.P. 21 HX), Tektronix 4691 color hard copy unit

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data -  
 state lines, section corner points, township corner  
 points, county lines, township-range lines

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal x,y coordinate system (digitized)  
 Latitude/longitude (indirect)  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :GINMAP random access file structures  
 OUTPUT PRODUCTS :Maps - variable scale and content, digital files of pro-  
 jected or latitude/longitude coordinates  
 DATA SOURCES :Secondary (USGS 7 and 1/2 minute topographic quadrangles)  
 UPDATE FREQUENCY :Annual review  
 COMMENTS :Input scale 1:24,000

DATA CATEGORY NAME :Surface water hydrology -  
 named streams, impounded waters of significant size  
 GEOGRAPHIC COVERAGE :Groundwater Management District #4, Salina Basin and  
 15 counties in northeast Kansas; other Groundwater  
 Management Districts are currently being digitized  
 GEOGRAPHIC REFERENCE :Universal x,y coordinate system  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :GINMAP random access file structures  
 OUTPUT PRODUCTS :Maps - variable scale and content, digital files of  
 projected or latitude/longitude coordinates  
 DATA SOURCES :Secondary (USGS 7 and 1/2 minute topographic quadrangles)

DATA CATEGORY NAME :Geology -  
 microearthquakes, faults, aeromagnetic data  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Projected x,y  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Maps - variable scale and content, digital files  
 DATA SOURCES :Primary  
 DATA CATEGORY NAME :Oil and gas -  
 fields, location, names  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Maps - variable scale and content, digital files  
 COMMENTS :See "Oil and Gas Fields in Kansas", 1982, by Shirley  
 E. Paul, Li-Huei Chang, and Sarah Burt, Map N-17,  
 KS Geological Survey

USER FEES POLICY :No policy established  
 DATE OF INFORMATION :1/16/84  
 PAPER FILE NUMBER :KS16

ORIGINAL PAGE IS  
 OF POOR QUALITY

KS002-01



CODE :KS003-01

STATE :KS  
DATA BASE NAME :Socio-economic Data Base (not yet named)  
SUBJECT COVERAGE :Demographic, social data  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Under development  
AGENCY :KS Department of Economic Development  
RESPONDENT :Kevin Carr, Economic Development Planner  
KS Department of Economic Development  
503 Kansas Avenue  
Topeka, KS 66603  
Telephone: 913-296-3345

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL DPS 3/E  
RESIDENCE :University of Kansas (Lawrence)  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Socio-economic data -  
populations, social aspects, economic aspects  
GEOGRAPHIC COVERAGE :Statewide  
MINIMUM RESOLUTION :By township  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries, retrieval and analysis  
of data within any given radius around a point  
DATA SOURCES :Primary and secondary  
UPDATE FREQUENCY :Last updated in 1982

=====

USER FEES POLICY :No policy established  
DATE OF INFORMATION :3/21/83  
PAPER FILE NUMBER :KS3

ORIGINAL PAGE IS  
OF POOR QUALITY

KS003-01

CODE :KS004-01

Data System, USGS (Reston); this data base is primarily funded by USGS

STATE :KS  
DATA BASE NAME :Coal Reserves  
SUBJECT COVERAGE :Coal resources  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Geological Survey  
RESPONDENT :Larry Brady, Associate Scientist  
Geologic Investigations  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-4991  
OTHER CONTACTS :Doug Deene, Assistant Scientist  
:Owen Soitz, Chief  
Computer Services Section

DOCUMENTATION :Publications available from USGS (Reston); summary information on Kansas coal reserves will be summarized and published within a year.  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :1/16/84  
PAPER FILE NUMBER :KS14

COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :TEK hard copy unit for 4052

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
coal resources, well name, legal description, county code, type log, ground elevation, tops of the Cherokee Group, Crowberg shale, Tebo shale, Weir-Pittsburg shale, Mississippian, thickness of other key horizons, code for each coal present, coal depth, coal thickness  
GEOGRAPHIC COVERAGE :Where major coal reserves of economic importance occur in the State of Kansas (eastern edge of state)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
MINIMUM RESOLUTION :Site specific, 160 acres  
DATA STORAGE FORMAT :Coordinate point (boundaries are digitized)  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling capability, statistical summaries, composite mapping possible, interactive video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :Sporadic  
CONFIDENTIALITY :Data acquired from private companies are subject to restricted access  
CLASSIFICATION :Coal Resource Classification System (USGS)  
COMMENTS :Data routinely supplied to the National Coal Resources

ORIGINAL PAGE IS  
OF POOR QUALITY

KS004-01

CODE :KS005-01

CODE :KS005-02

STATE :KS  
 DATA BASE NAME :Well Samples  
 SUBJECT COVERAGE :Drilling samples (majority of samples are from wells drilled for oil or gas)  
 GEOGRAPHIC COVERAGE :Statewide, some out-of-state  
 STATUS :Automation of catalogue of well samples is pending due to funding  
 AGENCY :KS Geological Survey  
 RESPONDENT :Lynn Watney, Research Associate  
 KS Geological Survey  
 1930 Constant Avenue - Campus West  
 University of Kansas  
 Lawrence, KS 66044  
 Telephone: 913-864-4991  
 OTHER CONTACTS :Owen Spitz, Chief  
 Computer Services Section

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000  
 RESIDENCE :In-house

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 well samples, drilling samples obtained by rotary  
 or cable tool, oil and gas wells  
 GEOGRAPHIC COVERAGE :Statewide (115,000 wells); some out-of-state  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Well, well field  
 DATA STORAGE FORMAT :Tabular  
 UPDATE FREQUENCY :Samples are available from most recently drilled wells  
 to a few collected during the 1916-1920 era  
 COMMENTS :The collection is physically located in Wichita, KS

DATE OF INFORMATION :1/13/84  
 PAPER FILE NUMBER :KS17

STATE :KS  
 DATA BASE NAME :Core Collection  
 SUBJECT COVERAGE :Samples obtained by core drill  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Geological Survey  
 RESPONDENT :Lynn Watney, Research Associate  
 KS Geological Survey  
 1930 Constant Avenue - Campus West  
 University of Kansas  
 Lawrence, KS 66044  
 Telephone: 913-864-4991  
 OTHER CONTACTS :Owen Spitz, Chief  
 Computer Services Section

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Data Printer Corp. CT-1210 character line printer, Tektronix 4014 (monochrome) (two), Tektronix 4113 (color)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 core collection - operator, lease name and well number,  
 location (township/range/section), interval and box  
 number or shelf location  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 County  
 Formation  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 CONFIDENTIALITY :Data purposely restricted to specific clientele

DATE OF INFORMATION :1/13/84  
 PAPER FILE NUMBER :KS17

ORIGINAL PAGE IS  
 OF POOR QUALITY

KS005-01  
 KS005-02

CODE :KS006-01

STATE :KS  
DATA BASE NAME :Aeromagnetic Survey  
SUBJECT COVERAGE :Magnetic measurements  
GEOGRAPHIC COVERAGE :Statewide; also small portions of Arkansas, Missouri, Nebraska and Oklahoma  
AGENCY :KS Geological Survey  
RESPONDENT :Harold Yarger, Associate Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-4991  
OTHER CONTACTS :William W. Hambleton, Director, KGS  
Telephone: 913-864-3965  
Owen Spitz, Chief, Computer Services  
Telephone: 913-864-4991

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
SPECIALIZED SOFTWARE :GIMMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21MX)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
earth's magnetic field measured at specific points  
along the original flight lines  
GEOGRAPHIC COVERAGE :Statewide; also part of Arkansas; small parts of  
Missouri, Oklahoma, and Nebraska  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :1/10 mile east-west, 2 miles north-south  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps - one scale only (1:500,000), computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :No updating, not necessary  
CONFIDENTIALITY :Any party who purchases data must sign a memorandum

#### COMMENTS

of understanding that no third parties shall have access to the data  
:These data exist in several stages of refinement. The original data consist of those gathered from flights throughout the state. Using timing recordings on the original data and simultaneous photographs, the magnetic measurements are assigned latitude/longitude values and processed through several filtering routines.

DOCUMENTATION :General information is available  
USER FEES POLICY :Fees are charged for products only  
DATE OF INFORMATION :1/18/83  
PAPER FILE NUMBER :KS18

ORIGINAL PAGE IS  
OF POOR QUALITY

KS006-01

CODE :KS007-01

STATE :KS  
 DATA BASE NAME :Chemical Analysis of Irrigation Water  
 SUBJECT COVERAGE :Groundwater quality data  
 GEOGRAPHIC COVERAGE :Five groundwater management districts of Kansas  
 AGENCY :KS Geological Survey  
 RESPONDENT :Donald Whittemore, Associate Scientist  
                   Geochemistry Section  
                   KS Geological Survey  
                   1930 Constant Avenue - Campus West  
                   University of Kansas  
                   Lawrence, KS 66044  
                   Telephone: 913-864-4991  
 OTHER CONTACTS :Mike Magnuson, KGS  
                   Owen Spitz, Chief, Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 SPECIALIZED SOFTWARE :GINMAP  
                           SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Denson  
                           Stratos 42 printer/plotter, Tektronix 4014 (two),  
                           Tektronix 4113, Xynetics 1100 plotter (with H.P.  
                           21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
                           quality data - well location, geologic source of water,  
                           specific conductance, pH, concentrations of major and  
                           selected minor and trace inorganic constituents  
 GEOGRAPHIC COVERAGE :The five groundwater management districts of Kansas  
                           (western and southern parts of the state)  
 GEOGRAPHIC REFERENCE :Well location  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts  
 DATA SOURCES :Primary

DOCUMENTATION :Documentation will be available in the future  
 DATE OF INFORMATION :1/18/84  
 PAPER FILE NUMBER :KS19

CODE :KS008-01

STATE :KS  
 DATA BASE NAME :Geothermal  
 SUBJECT COVERAGE :Information from 70,000 electric logs  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Information is on tape; retrieval program has not yet been  
                   completed  
 AGENCY :KS Geological Survey  
 RESPONDENT :Don Steeples, Associate Scientist  
                   KS Geological Survey  
                   1930 Constant Avenue - Campus West  
                   University of Kansas  
                   Lawrence, KS 66044  
                   Telephone: 913-864-4991  
 OTHER CONTACTS :Owen Spitz, Chief  
                   Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 SPECIALIZED SOFTWARE :GINMAP  
                           SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Denson  
                           Stratos 42 printer/plotter, Tektronix 4014 (two),  
                           Tektronix 4113, Xynetics 1100 plotter (with H.P.  
                           21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
                           geothermal resources, electric logs, well location,  
                           elevation, bottom-hole temperature, depth, date  
                           drilled  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :10 acres  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - one scale only  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Data are up to date through early 1982

DATE OF INFORMATION :1/11/84  
 PAPER FILE NUMBER :KS20

ORIGINAL PAGE 15  
 OF POOR QUALITY

KS007-01  
 KS008-01

CODE :KS008-02

STATE :KS  
DATA BASE NAME :Seismic  
SUBJECT COVERAGE :Field measurements collected by the Earthquake Lab (150 tapes)  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Geological Survey  
RESPONDENT :Don Steeples, Associate Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-4991  
OTHER CONTACTS :Ralph Knapp, Assistant Scientist  
Owen Spitz, Chief  
Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
SPECIALIZED SOFTWARE :GIMMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21NX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
seismic data  
GEOGRAPHIC COVERAGE :Statewide (site specific areas scattered throughout  
Kansas)  
GEOGRAPHIC REFERENCE :Not geographically referenced  
MINIMUM RESOLUTION :Site specific  
OUTPUT PRODUCTS :Seismic reflection data  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Updates, additions, in response to specific requests  
COMMENTS :This data set consists of field measurements collected  
by the Earthquake Lab with its exploration seismic  
equipment. The file is composed of reflection data in  
digital form. The data exist in many forms or stages  
due to filtering and computation techniques applied to  
it for current use

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DATE OF INFORMATION :1/11/84  
PAPER FILE NUMBER :KS20

ORIGINAL PAGE IS  
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KS008-02

CODE :KS009-01

STATE :KS  
DATA BASE NAME :ACCESS  
SUBJECT COVERAGE :Water-well records, bedrock file  
GEOGRAPHIC COVERAGE :Western Kansas and selected counties in south central  
Kansas  
AGENCY :KS Geological Survey  
RESPONDENT :Manoutch Heidari, Associate Scientist  
Geohydrology Section  
KS Geological Survey  
103 Foley Geohydrology Center  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-5672  
OTHER CONTACTS :Owen Spitz, Chief  
Computer Services Section  
Munir A. Butt, Research Associate  
Geohydrology Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4 MB  
Disc storage: 3 drives  
Simultaneous users supported: 48  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :KOALA (log interpretation)  
COLORMAP  
INFOS II  
SPSS-X (stat. pkg. for geological sciences)  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
water-well records, well location, name of owner,  
well usage, source of data, surface elevation, ground-  
water elevation  
GEOGRAPHIC COVERAGE :Western Kansas and selected counties in South Central

GEOGRAPHIC REFERENCE

MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS

LEVEL OF RELIABILITY  
UPDATE FREQUENCY  
COMMENTS

Kansas (43 counties)

:Latitude/longitude  
Public Land Survey

:10 acres

:Coordinate point

:Maps (variable scale), computer tape, modelling capa-  
bility

:High

:Annually

:Data sources include historical records, published sur-  
veys and maps, field survey, telephone/mail surveys;  
data routinely supplied to USGS

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE

GEOGRAPHIC REFERENCE

MINIMUM RESOLUTION

DATA STORAGE FORMAT

OUTPUT PRODUCTS

LEVEL OF RELIABILITY

UPDATE FREQUENCY

COMMENTS

:Geology -

bedrock elevation

:Northwestern Kansas (11 counties)

:Latitude/longitude

Public Land Survey

:10 acres

:Coordinate point

:Maps (variable scale), computer tape, modelling capa-  
bility

:High

:Annually

:Data sources include historical records, published sur-  
veys and maps, field survey, telephone/mail surveys;  
data routinely supplied to USGS

DATE OF INFORMATION :1/31/84

PAPER FILE NUMBER :KS21

ORIGINAL PAGE IS  
OF POOR QUALITY

KS009-01

CODE :KS010-01

(Brochure) TERRADATA, 609 Mission Street, Suite 400,  
San Francisco, CA 94105 (415-981-2063).

USER FEES POLICY :TERRALOG available on a lease or purchase basis through  
TERRADATA (see above)

DATE OF INFORMATION :1/13/84

PAPER FILE NUMBER :KS22

STATE :KS  
DATA BASE NAME :KS On-line Automated Log Analysis  
DATA BASE ACRONYM :KOALA  
SUBJECT COVERAGE :Geology (log analysis)  
STATUS :KOALA is a software system (marketed under the trade  
name TERRALOG). The KS data base is being developed for  
demonstration purposes only.  
AGENCY :KS Geological Survey  
RESPONDENT :John Doveton, Senior Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-4991  
OTHER CONTACTS :Owen Spitz, Chief  
Computer Services Section

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
RESIDENCE :In-house  
OPERATION :Interactive

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
SPECIALIZED SOFTWARE :GIMMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21MX)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
exploration/extraction - log analysis, well logs

DATA CATEGORY NAME :Energy -  
resources - natural gas, oil

DOCUMENTATION : "KOALA Abecedarium & Flight Manual" J.H. Doveton &  
H.W. Cable, KGS. Petrophysical Series 2 (1980).  
"TERRALOG The Intelligent Log Analysis Program System"

ORIGINAL PAGE IS  
OF POOR QUALITY

KS010-01



CODE :KS011-01

CODE :KS011-02

STATE :KS  
 DATA BASE NAME :Clay Retrieval  
 SUBJECT COVERAGE :Analysis of the properties of clay samples collected and analyzed through the late 1960's  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Geological Survey  
 RESPONDENT :Douglas Beene, Assistant Scientist  
 KS Geological Survey  
 1930 Constant Avenue - Campus West  
 University of Kansas  
 Lawrence, KS 66044  
 Telephone: 913-864-3965  
 OTHER CONTACTS :Owen Spitz, Chief  
 Computer Services Section

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000  
 HONEYWELL DPS 3/E  
 RESIDENCE :In-house (DG ECLIPSE NV8000); University of Kansas  
 - Lawrence (HONEYWELL DPS 3/E)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 SPECIALIZED SOFTWARE :GIMMAP  
 SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
 Stratos 42 printer/plotter, Tektronix 4014 (two),  
 Tektronix 4113, Xynetics 1100 plotter (with H.P.  
 21MX)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 clay samples, location, formation/member, dry and wet  
 physical characteristics, chemical analysis, fired  
 properties  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Tabular  
 DATA SOURCES :Primary (lab analysis)  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Data from samples collected and analyzed through the  
 late 1960's

DATE OF INFORMATION :1/13/84  
 PAPER FILE NUMBER :KS23

STATE :KS  
 DATA BASE NAME :Limestone - Physical Properties  
 SUBJECT COVERAGE :Quarry data  
 GEOGRAPHIC COVERAGE :Thirty-four counties in Kansas  
 AGENCY :KS Geological Survey  
 RESPONDENT :Douglas Beene, Assistant Scientist  
 KS Geological Survey  
 1930 Constant Avenue - Campus West  
 University of Kansas  
 Lawrence, KS 66044  
 Telephone: 913-864-3965  
 OTHER CONTACTS :Owen Spitz, Chief  
 Computer Services Section

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000  
 HONEYWELL DPS 3/E  
 RESIDENCE :In-house (DG ECLIPSE NV8000); University of Kansas  
 - Lawrence (HONEYWELL DPS 3/E)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 SPECIALIZED SOFTWARE :GIMMAP  
 SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
 Stratos 42 printer/plotter, Tektronix 4014 (two),  
 Tektronix 4113, Xynetics 1100 plotter (with H.P.  
 21MX)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 quarry data, location, operator, owner, number of  
 acres owned, formation and member codes, thickness,  
 CaCO3 equivalence, high, mean and low for soundness,  
 wear, absorption and specific gravity; also, identi-  
 fication and location of 10 nearest chemical analyses  
 from Chemical Properties data file (see KS011-04)  
 GEOGRAPHIC COVERAGE :Thirty-four counties in Kansas  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Tabular  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :None since 60's  
 COMMENTS :Data set acquired in the late 1960's

DATE OF INFORMATION :1/13/84  
 PAPER FILE NUMBER :KS23

ORIGINAL PAGE IS  
 OF POOR QUALITY

KS011-01  
 KS011-02

CODE :KS011-03

COMMENTS

:These data are summaries of data procured from Petroleum Information Inc. The annual gas well production tape procured from Petroleum Information Inc. is restricted to in-house use only.

STATE :KS  
DATA BASE NAME :Gas Production  
SUBJECT COVERAGE :Basic production information for gas  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Geological Survey  
RESPONDENT :Douglas Beene, Assistant Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-3965  
OTHER CONTACTS :Owen Spitz, Chief  
Computer Services Section

DATE OF INFORMATION :1/13/84  
PAPER FILE NUMBER :KS23

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
SPECIALIZED SOFTWARE :GINMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21 MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
resources - natural gas; production, name, field code,  
county code, 1965 cumulative, annual production, wells  
and acres for each subsequent year, information indic-  
ating whether particular production includes previous  
year's corrections  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
Field  
MINIMUM RESOLUTION :Field  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Annual report  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :Annually  
CLASSIFICATION :Fields are as described by the Nomenclature Committee  
of the Kansas Geological Society

ORIGINAL PAGE IS  
OF POOR QUALITY

KS011-03

CODE :KS011-04

STATE :KS  
 DATA BASE NAME :Mineral Resources - Chemical Properties  
 SUBJECT COVERAGE :Analysis of mineral samples  
 GEOGRAPHIC COVERAGE :Eighty-nine counties in Kansas, Missouri, Nebraska and Oklahoma  
 AGENCY :KS Geological Survey  
 RESPONDENT :Douglas Beene, Assistant Scientist  
 KS Geological Survey  
 1930 Constant Avenue - Campus West  
 University of Kansas  
 Lawrence, KS 66044  
 Telephone: 913-864-3965  
 OTHER CONTACTS :Owen Spitz, Chief  
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
 HONEYWELL DPS 3/E  
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
 - Lawrence (HONEYWELL DPS 3/E)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 SPECIALIZED SOFTWARE :GINMAP  
 SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
 Stratos 42 printer/plotter, Tektronix 4014 (two),  
 Tektronix 4113, Xynetics 1100 plotter (with H.P.  
 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 mineral resources, chemical properties, sample number,  
 county name and code, geographic location, lithology  
 code (28 codes in set), formation and member code,  
 thickness, method of sample collection, identification  
 number and distance from the 10 closest samples, and  
 code and value for each chemical analysis  
 GEOGRAPHIC COVERAGE :Eighty-nine counties in Kansas, Missouri, Nebraska  
 and Oklahoma  
 GEOGRAPHIC REFERENCE :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts  
 DATA SOURCES :Primary (lab analysis)  
 UPDATE FREQUENCY :Compiled from analyses on hand in the late 1960's  
 COMMENTS :Data set contains about 2,400 samples

DATE OF INFORMATION :1/13/84  
 PAPER FILE NUMBER :KS23

CODE :KS011-05

STATE :KS  
 DATA BASE NAME :Well Completion Forms  
 SUBJECT COVERAGE :Oil and gas  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Geological Survey  
 RESPONDENT :Douglas Beene, Assistant Scientist  
 KS Geological Survey  
 1930 Constant Avenue - Campus West  
 University of Kansas  
 Lawrence, KS 66044  
 Telephone: 913-864-3965  
 OTHER CONTACTS :Owen Spitz, Chief  
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
 HONEYWELL DPS 3/E  
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
 - Lawrence (HONEYWELL DPS 3/E)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
 SPECIALIZED SOFTWARE :GINMAP  
 SURFACE II  
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
 Stratos 42 printer/plotter, Tektronix 4014 (two),  
 Tektronix 4113, Xynetics 1100 plotter (with H.P.  
 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
 resources - oil and gas: well completion data, indication  
 of whether a wireline log is available  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts  
 DATA SOURCES :Secondary  
 COMMENTS :Data computerized for the Kansas Corporation Com-  
 mission since January 1982, from ACO-1 well comple-  
 tion forms.

DATE OF INFORMATION :1/13/84  
 PAPER FILE NUMBER :KS23

ORIGINAL PAGE 19  
OF POOR QUALITYKS011-04  
KS011-05

CODE :KS011-06

STATE :KS  
DATA BASE NAME :Intents to Drill  
SUBJECT COVERAGE :Oil and gas  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Geological Survey  
RESPONDENT :Douglas Deena, Assistant Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-3965  
OTHER CONTACTS :Owen Spitz, Chief  
Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
SPECIALIZED SOFTWARE :GINMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
oil and gas - intents to drill  
GEOGRAPHIC COVERAGE :Statewide  
OUTPUT PRODUCTS :Computer printouts  
DATA SOURCES :Secondary  
COMMENTS :Data available from February 1982; data base developed  
for the KS Corporation Commission

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE OF INFORMATION :1/13/84  
PAPER FILE NUMBER :KS23

KS011-06

CODE :KS011-07

COMMENTS

:These data are summaries of data procured from Petroleum Information, Inc. The annual oil lease production tape procured from Petroleum Information, Inc. is restricted to in-house use

STATE :KS  
DATA BASE NAME :Oil Production  
SUBJECT COVERAGE :Basic production information for oil  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Geological Survey  
RESPONDENT :Douglas Boone, Assistant Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-3965  
OTHER CONTACTS :Owen Spitz, Chief  
Computer Services Section

DATE OF INFORMATION :1/13/84  
PAPER FILE NUMBER :KS23

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB  
SPECIALIZED SOFTWARE :GIMMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21 MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
resources - oil: production, name, field code,  
county code, 1965 cumulative, annual production,  
wells and acres for each subsequent year, information  
indicating whether particular production includes  
previous year's corrections, abandoned wells  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
Field  
MINIMUM RESOLUTION :Field  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Annual report  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :Annual  
CLASSIFICATION :Fields are as described by the Nomenclature Committee  
of the Kansas Geological Society

ORIGINAL PAGE IS  
OF POOR QUALITY

KS011-07

CODE :KS011-08

STATE :KS  
DATA BASE NAME :Plugging File  
SUBJECT COVERAGE :Plugging of wells  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Geological Survey  
RESPONDENT :Douglas Beene, Assistant Scientist  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, Ks 66044  
Telephone: 913-864-3965  
OTHER CONTACTS :Owen Spitz, Chief  
Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000KB  
SPECIALIZED SOFTWARE :GINMAP  
SURFACE II  
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (two),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21 MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
plugged wells: lease name, operator, location,  
total depth, well number, well type  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
API number  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Monthly  
COMMENTS :Plugging reports of the KS Corporation Commission.  
Data are available since early 1930's

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DATE OF INFORMATION :1/13/83  
PAPER FILE NUMBER :KS23

ORIGINAL PAGE IS  
OF POOR QUALITY

KS011-08

CODE :KS012-01

STATE :KS  
DATA BASE NAME :Brine Analysis - Kansas  
SUBJECT COVERAGE :Information on water samples from oil and gas wells  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This data base constitutes the Kansas data set of the U.S. Brine Analysis data base. The national data base contains information on over 73,000 water samples representing 34 states.  
AGENCY :KS Geological Survey  
RESPONDENT :Owen Spitz, Chief  
Computer Services Section  
KS Geological Survey  
1930 Constant Avenue - Campus West  
University of Kansas  
Lawrence, KS 66044  
Telephone: 913-864-4991

#### COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000  
HONEYWELL DPS 3/E  
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas  
- Lawrence (HONEYWELL DPS 3/E)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4 MB  
Disc storage: 3 drives  
Simultaneous users supported: 48  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :KOALA (log interpretation)  
COLORMAP  
INFOS II  
GINMAP (part of)  
SPSS-X (stat. pkg. for geological sciences)  
PERIPHERAL DEVICES :Data Printer Corp. GT-1210 line printer, Benson  
Stratos 42 printer/plotter, Tektronix 4014 (lwa),  
Tektronix 4113, Xynetics 1100 plotter (with H.P.  
21NX)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
brine analysis, location (state, county, geologic  
basin, field, and section/township/range), company  
name, well number, API well number, classification of  
the well, deepest formation penetrated and its age,

GEOGRAPHIC COVERAGE  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS  
DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY  
COMMENTS

total depth of the well, elevation, subsurface data,  
bottom-hole temperature and pressure, formation from  
which the water sample was taken (sampled formation,  
age, depth interval, the porosity, permeability, pH,  
specific gravity, resistivity, lithology, and temper-  
ature and pressure of the interval at which the sample  
was measured), date and location the sample was taken,  
chemical constituents (in mg/l or ppm)

:Statewide  
:Tabular  
:Computer printouts, magnetic tapes, tables  
:Primary and secondary  
:Moderate  
:One-time only  
:This data base contains 5,455 Kansas records describing  
3,765 locations throughout the state. Some of the  
entries may duplicate those in the U.S. Brine Analy-  
sis data base, which is contained within EPA/STORET.  
Additional data may be added in the future.

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USER FEES POLICY :Listing available for \$35.00  
DATE OF INFORMATION :1/17/83  
PAPER FILE NUMBER :KS13

ORIGINAL PAGE IS  
OF POOR QUALITY

KS012-01

CODE :KS013-01

CODE :KS014-01

STATE :KS  
 DATA BASE NAME :Southwest Groundwater Management District No. 3  
 SUBJECT COVERAGE :Surface water  
 GEOGRAPHIC COVERAGE :Groundwater Management District No. 3 (southwest Kansas)  
 AGENCY :Southwest Groundwater Management District No. 3  
 RESPONDENT :Rick Illgner, Manager  
 Southwest Groundwater Management District No. 3  
 409 Campus Drive, Suite 106  
 Garden City, KS 67846  
 Telephone: 316-275-7147  
 OTHER CONTACTS :Mike Deas, Assistant Manager/Hydrologist  
 :Cary Baker, President of the Board of Directors  
 Telephone: 316-356-4773

#### COMPUTER FACILITIES

COMPUTER(S) :IBM S/23 DATAMASTER  
 RESIDENCE :In-house  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 64 K  
 Disc storage: 1.2 MB  
 LANGUAGE(S) :BASIC  
 SPECIALIZED SOFTWARE :BRADS - IBM  
 PERIPHERAL DEVICES :Line printer

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -  
 water rights  
 GEOGRAPHIC COVERAGE :Southwest Kansas Groundwater Management District No. 3  
 (all or portions of Finney, Ford, Grant, Gray, Hamilton,  
 Haskell, Hodgeman, Kearney, Meade, Norton,  
 Seward, Stanton and Stevens counties)  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :10 acres, 40 acres, 160 acres, 1 square mile, by  
 county  
 DATA STORAGE FORMAT :Coordinate point, grid  
 OUTPUT PRODUCTS :Tables, statistical summaries  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :Varies (continuously to annually)

DOCUMENTATION :General information available; newsletter  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :5/31/83  
 PAPER FILE NUMBER :KS11

STATE :KS  
 DATA BASE NAME :Aquatic Data Analysis System  
 DATA BASE ACRONYM :ADAS  
 SUBJECT COVERAGE :Fisheries  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Fish and Game Commission  
 RESPONDENT :Richard L. Holloran, Computer Programmer II  
 KS Fish and Game Commission  
 R.R. 2, Box 54A  
 Pratt, KS 67124  
 Telephone: 316-672-5911, Ext. 136  
 OTHER CONTACTS :Bob Hartmann, Fisheries Biologist  
 :Milt Martin, Systems Analyst II  
 Telephone: 316-672-5911, Ext. 131

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Central government computer center  
 GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
 CRTs (three)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
 game, non-game, populations, physical characteristics  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Water body  
 MINIMUM RESOLUTION :Site specific; fish samples collected at an impound-  
 ment are further identified by "location" within the  
 impoundment (e.g., dam face)  
 DATA STORAGE FORMAT :Card image (80-column)  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderately reliable  
 UPDATE FREQUENCY :Continuously

DOCUMENTATION :System Narrative providing general information, description  
 of data encoding format/procedure available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :1/4/84  
 PAPER FILE NUMBER :KS15-1

ORIGINAL PAGE 13  
 OF POOR QUALITY

KS013-01  
 KS014-01



CODE :KS014-02

STATE :KS  
DATA BASE NAME :Creel Census Data  
SUBJECT COVERAGE :Fisheries  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Fish and Game Commission  
RESPONDENT :Richard L. Holloran, Computer Programmer II  
KS Fish and Game Commission  
R.R. 2, Box 54A  
Pratt, KS 67124  
Telephone: 316-672-5911, Ext. 136  
OTHER CONTACTS :Bob Hartmann, Fisheries Biologist  
Milt Martin, Systems Analyst II  
Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :Central government computer center  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
game, non-game, populations, creel census data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Water body  
MINIMUM RESOLUTION :Site specific; fish samples collected at an impound-  
ment are further identified by "location" within the  
impoundment (e.g., dam face)  
DATA STORAGE FORMAT :Card image (80-column)  
OUTPUT PRODUCTS :Tables, graphics, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderately reliable  
UPDATE FREQUENCY :Continuously

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DOCUMENTATION :General information, descriptions of data encoding format/  
procedures available  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :1/4/84  
PAPER FILE NUMBER :KS15-2

ORIGINAL PAGE IS  
OF POOR QUALITY

KS014-02

CODE :KS014-03

COMMENTS

:Furbearer survey consists of the observations of  
archery deer hunters

STATE :KS  
DATA BASE NAME :Hunter Report Cards  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :KS Fish and Game Commission  
RESPONDENT :Richard L. Holloran, Computer Programmer II  
KS Fish and Game Commission  
R.R. 2, Box 54A  
Pratt, KS 67124  
Telephone: 316-672-5911, Ext 136  
OTHER CONTACTS :Lloyd Fox, Wildlife Biologist (furbearers)  
:Milt Martin, Systems Analyst II  
Telephone: 316-672-5911, Ext 131  
:Keith Sexson, Wildlife Biologist (deer)  
KS Fish and Game Commission  
Wildlife Research Office  
832 East 6th  
Emporia, KS 66801  
Telephone: 316-342-0658  
:Terry Funk, Wildlife Biologist (turkey)  
KS Fish and Game Commission  
NW Fish & Game Regional Office  
Route 2  
Hays, KS 67601  
Telephone: 913-628-8614

DOCUMENTATION :General information, descriptions of data encoding format/  
procedure available  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :1/4/84  
PAPER FILE NUMBER :KS15-3

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :Central government computer center  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
deer hunter information (whitetail, mule deer), turkey  
hunter information, furbearer hunter information (bob-  
cats, coyotes, gray fox, red fox, opossums, raccoons)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
MINIMUM RESOLUTION :By management unit, county  
DATA STORAGE FORMAT :Card image (80-column)  
OUTPUT PRODUCTS :Tables, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderately reliable  
UPDATE FREQUENCY :Annually

ORIGINAL PAGE IS  
OF POOR QUALITY

KS014-03

CODE :KS014-04

CODE :KS014-05

STATE :KS  
 DATA BASE NAME :Waterfowl Chronology System  
 SUBJECT COVERAGE :Wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Fish and Game Commission  
 RESPONDENT :Richard L. Holloran, Computer Programmer II  
 KS Fish and Game Commission  
 R.R. 2, Box 54A  
 Pratt, KS 67124  
 Telephone: 316-672-5911, Ext. 136  
 OTHER CONTACTS :Marvin Kraft, Biologist  
 Milt Martin, Systems Analyst II  
 Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Central government computer center  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 waterfowl migration survey (ducks, geese, eagles,  
 other), numbers of waterfowl present by species, notes  
 of hunting and/or habitat conditions  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Not geographically referenced  
 MINIMUM RESOLUTION :By waterfowl management area  
 DATA STORAGE FORMAT :Card image (80-column)  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderately reliable  
 UPDATE FREQUENCY :Bi-monthly  
 COMMENTS :Counts are made at approximately 20 areas; system last  
 updated July 1983

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DOCUMENTATION :General information, descriptions on data encoding format  
 procedures available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :1/4/84  
 PAPER FILE NUMBER :KS15-4

STATE :KS  
 DATA BASE NAME :Small Game Harvest Survey  
 SUBJECT COVERAGE :Wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Fish and Game Commission  
 RESPONDENT :Richard L. Holloran, Computer Programmer II  
 KS Fish and Game Commission  
 R.R. 2, Box 54A  
 Pratt, KS 67124  
 Telephone: 316-672-5911, Ext. 136  
 OTHER CONTACTS :Milt Martin, Systems Analyst II  
 Telephone: 316-672-5911, Ext. 131  
 Roger Wells, Wildlife Biologist  
 KS Fish and Game Commission  
 Wildlife Research Office  
 832 East 6th  
 Emporia, KS 66801  
 Telephone: 316-342-0658

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Central government computer center  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 small game hunter survey (mourning doves, quail,  
 pheasants, prairie chickens, cottontails, squirrels,  
 bobcats, raccoons, fox, coyotes)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :"SAS" data base  
 OUTPUT PRODUCTS :Maps - one scale only (county), tables, graphics, sta-  
 tistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Low  
 UPDATE FREQUENCY :Annually  
 COMMENTS :Last updated Spring 1983

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DOCUMENTATION :General information, descriptions of data encoding format/  
 procedure available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :1/4/84  
 PAPER FILE NUMBER :KS15-5

ORIGINAL PAGE IS  
OF POOR QUALITYKS014-04  
KS014-05

CODE :KS014-06

CODE :KS014-07

STATE :KS  
 DATA BASE NAME :Furbearer Harvest Survey  
 SUBJECT COVERAGE :Wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Fish and Game Commission  
 RESPONDENT :Richard L. Holloran, Computer Programmer II  
 KS Fish and Game Commission  
 R.R. 2, Box 54A  
 Pratt, KS 67124  
 Telephone: 316-672-5911, Ext. 136  
 OTHER CONTACTS :Lloyd Fox, Wildlife Biologist  
 Milt Martin, Systems Analyst II  
 Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Central government computer center  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 furbearer trapping and huntin survey (badger, beaver,  
 bobcat, coyote, red fox, gray fox, mink, muskrat,  
 opossum, raccoon, striped skunk, weasel)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :SAS data base  
 OUTPUT PRODUCTS :Maps - one scale only (county), tables, graphics, sta-  
 tistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Low  
 UPDATE FREQUENCY :Annually  
 COMMENTS :Last updated Spring 1983

DOCUMENTATION :General information, descriptions of data encoding formats/  
 procedure available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :1/4/84  
 PAPER FILE NUMBER :KS15-6

STATE :KS  
 DATA BASE NAME :Rural Mail Carrier Survey  
 SUBJECT COVERAGE :Wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :KS Fish and Game Commission  
 RESPONDENT :Richard L. Holloran, Computer Programmer II  
 KS Fish and Game Commission  
 R.R. 2, Box 54A  
 Pratt, KS 67124  
 Telephone: 316-672-5911, Ext. 136  
 OTHER CONTACTS :Milt Martin, Systems Analyst II  
 Telephone: 316-672-5911, Ext. 131  
 Roger Wells, Wildlife Biologist  
 KS Fish and Game Commission  
 Wildlife Research Office  
 832 East 6th  
 Emporia, KS 66801  
 Telephone: 316-342-0658

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 RESIDENCE :Central government computer center  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric  
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 small game census (pheasants, quail, prairie chickens,  
 cottontails, jack rabbits)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Card image (80-column)  
 OUTPUT PRODUCTS :Tables, statistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Quarterly (spring, summer, fall, winter)  
 COMMENTS :Survey cards are sent to approximately 800 mail  
 carriers across the state. Carriers are instructed to  
 tally observations of small game species on their sur-  
 vey cards for a period of 5 consecutive days. Approx-  
 imately 530 to 550 survey cards are returned.

DOCUMENTATION :General information, descriptions of data encoding format/  
 procedure available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :1/4/84  
 PAPER FILE NUMBER :KS15-7

ORIGINAL PAGE IS  
OF POOR QUALITYKS014-06  
KS014-07

CODE :KS015-01

STATE :KS  
DATA BASE NAME :SELGEM  
SUBJECT COVERAGE :Algae, aquatic life, surface water  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base is currently under evaluation, and may be up-  
graded in the future (i.e., computer hardware, data  
structures); biological data collected for several  
years is being automated as time permits  
AGENCY :KS Biological Survey  
RESPONDENT :Paul M. Liechti, Assistant Director  
KS Biological Survey  
2291 Irving Hill Road  
Lawrence, KS 66045-2969  
Telephone: 913-864-4775  
OTHER CONTACTS :Edward A. Martinko, Director  
Judy Miskimen, Secretary

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL DPS 3/E  
RESIDENCE :University of Kansas Academic Computing Center  
OPERATION :Interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Dewriter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Algae -  
species, quality/condition  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
Distance from local landmarks  
MINIMUM RESOLUTION :160 acres; 640 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Species lists - can be generated at county level or  
with corresponding water quality information  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :As need arises

DATA CATEGORY NAME :Aquatic life -  
aquatic macroinvertebrates, micro-habitat, taxonomic  
listing, life stage, sex  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS

County  
Distance from local landmark  
:160 acres; 640 acres  
:Tabular  
:Statistical summaries, species lists - can be gener-  
ated at county level and by watershed in certain cir-  
cumstances  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annually  
COMMENTS :Field data sheets available, by collection, but not  
yet automated

DATA CATEGORY NAME  
GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE

:Surface water -  
pH, water temperature, conductivity  
:Statewide  
:Public Land Survey  
County

MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS  
DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY

Distance from local landmark  
:160 acres; 640 acres  
:Tabular  
:Statistical summaries, computer printouts  
:Primary  
:High  
:As need arises

DOCUMENTATION :SELGEM Manual in preparation  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :1/20/84  
PAPER FILE NUMBER :KS24

ORIGINAL PAGE 13  
OF POOR QUALITY

KS015-01

CODE :KY001-01

STATE :KY  
 DATA BASE NAME :KY Natural Resources Information System  
 DATA BASE ACRONYM :KNRIS  
 SUBJECT COVERAGE :Integrated terrain units, surface water, base data, infrastructure, surface coal mine permit data, abandoned mine lands inventory problem areas, soils data, land cover, cultural areas, public waters, and rare/threatened/endangered species occurrences  
 GEOGRAPHIC COVERAGE :Statewide; some data collected only for the eastern and western coal regions (about 40% of the state)  
 STATUS :The development of KNRIS began in 1979 with funds provided by the U.S. Office of Surface Mining for implementation of Public Law 95-87 (Federal Surface Mining Control and Reclamation Act of 1977). The system became operational in 1981 and has been utilized for surface mine regulatory activities and other natural resource planning applications. KNRIS is divided into the following major sections: (1) Information Resource Center and (2) Automated Geographic Information System  
 AGENCY RESPONDENT :KY Natural Resources and Environmental Protection Cabinet  
 :Peter L. Crosswell, Manager  
 KY Natural Resources Information System  
 KY Natural Resources and Environmental Protection Cabinet  
 Capital Plaza Tower, 14th Floor  
 Frankfort, KY 40601  
 Telephone: 502-564-5174  
 OTHER CONTACTS :William ("Larry") Schneider  
 PRIME System Administrator

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 750  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 1MB  
 :Disc storage: 900MB  
 LANGUAGE(S) :FORTRAN  
 :BASIC  
 :CPL  
 :Assembler  
 SPECIALIZED SOFTWARE :ELAS  
 :INFO  
 :MINITAB  
 :EIS (Environmental Library System)  
 :GIS: GRIPS  
 :GRIPSHIFT

#### PERIPHERAL DEVICES

GRDCON (Coordinate Conversion)  
 COORD (Coordinate Conversion)  
 ARVOL  
 :Monochrome graphics CRT, color image display, tablet-free cursor digitizer, line printer, drum pen plotter, electrostatic plotter, hard copy terminal, 16 alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Integrated terrain units - elevation province, physiographic province, landform, slope gradient, geologic formation, mineral resources (non-coal), natural soil group, vegetation type, land use, flood prone areas, groundwater availability zones, forest density (partial coverage)  
 GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Universal Transverse Mercator  
 MINIMUM RESOLUTION :10 acres  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modeling capability, statistical summaries, composite mapping  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :No routine updating  
 CLASSIFICATION :Refer to KNRIS User Guide

DATA CATEGORY NAME :Surface water - watershed boundaries, stream network, river mile index  
 GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Universal Transverse Mercator  
 MINIMUM RESOLUTION :Site specific; by watershed  
 DATA STORAGE FORMAT :Polygon (watersheds); coordinate point (river mile); line (streams)  
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modeling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :No routine updates  
 CLASSIFICATION :Refer to KNRIS User Guide

DATA CATEGORY NAME :Base data - counties, incorporated area, ownership, administrative status, important wildlife habitats, state forests,

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 OF POOR QUALITY

KY001-01

national forests, state parks, national parks, important geologic and karst areas, caves, recreation sites

GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator

MINIMUM RESOLUTION :10 acres

DATA STORAGE FORMAT :Polygon; coordinate point (caves, recreation sites); line

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries

DATA SOURCES :Secondary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :No routine update

CLASSIFICATION :Refer to KNRIS User Guide

DATA CATEGORY NAME :Infrastructure - roads, landfill sites, coal mining, extractive activity (non-coal), land use, trails, communication and transportation facilities, power transmission facilities, railroads, pipelines

GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator

MINIMUM RESOLUTION :Site specific

DATA STORAGE FORMAT :Coordinate point, line

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries

DATA SOURCES :Secondary

LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :No routine updates

CLASSIFICATION :Refer to KNRIS User Guide

DATA CATEGORY NAME :Coal - surface mining, permits, permit boundaries, haul roads

GEOGRAPHIC COVERAGE :Southeastern portion of the state (all or portions of Bell, Harlan, Knox, Leslie, Letcher, McCreary, Perry and Whitley counties)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator

MINIMUM RESOLUTION :Site specific (features less than 10 acres); 10 acres

DATA STORAGE FORMAT :Polygon (features 10 acres or greater); line; coordinate point

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability

DATA SOURCES :Primary

UPDATE FREQUENCY :Although digitizing of permit features is not done routinely, KNRIS does maintain and constantly update manual overlays to 7 1/2' quadrangles showing all

CLASSIFICATION

surface coal mine permits from 1960 to within several weeks of permit issuance

:Refer to KNRIS User Guide

DATA CATEGORY NAME :Abandoned mine lands - inventory, problem areas, boundaries with number codes as assigned by the Division of Abandoned Mine Land Reclamation

GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator

DATA STORAGE FORMAT :Polygon

OUTPUT PRODUCTS :Maps (variable scale)

UPDATE FREQUENCY :One time only

CLASSIFICATION :Refer to KNRIS User Guide

COMMENTS :Contains all identified areas abandoned before 1977

DATA CATEGORY NAME :Soils - association

GEOGRAPHIC COVERAGE :Statewide

DATA SOURCES :Secondary

DATA CATEGORY NAME :Surface water - stream network

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator

DATA STORAGE FORMAT :Line

DATA SOURCES :Secondary

LEVEL OF RELIABILITY :High

DATA CATEGORY NAME :Base data - counties, incorporated areas

GEOGRAPHIC COVERAGE :Statewide

MINIMUM RESOLUTION :By county

DATA STORAGE FORMAT :Polygon

OUTPUT PRODUCTS :Maps (variable scale)

DATA SOURCES :Secondary

UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :land cover - barren land, forest land, rangeland, water, cropland, pasture

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KY001-01  
(cont.)

GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, modeling capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :No updates planned  
 CLASSIFICATION :level 1 classification from 1981 Landent data (unsupervised)

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate

=====

DOCUMENTATION : "User Guide to the Data and Capabilities of the Kentucky Natural Resources Information System", Natural Resources and Environmental Protection Cabinet (May 1982); System Description (June 1983)

USER FEES POLICY :Fees charged on a cost recovery basis

DATE OF INFORMATION :6/28/83

PAPER FILE NUMBER :KY1

DATA CATEGORY NAME :Cultural areas - historical sites, archaeological sites  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Monthly  
 CONFIDENTIALITY :Archaeological site location data is released only with authorization from the Office of State Archaeology  
 COMMENTS :Data are maintained in cooperation with the Kentucky Heritage Council and Office of State Archaeology

DATA CATEGORY NAME :Rare/threatened/endangered species  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Quarterly  
 CONFIDENTIALITY :Request must be received in writing and authorized by the Kentucky Nature Preserves Commission  
 COMMENTS :Data are maintained in cooperation with the Kentucky Nature Preserves Commission

DATA CATEGORY NAME :Public water - withdrawal, discharge  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape

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CODE :KY002-01

STATE :KY  
DATA BASE NAME :KY Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Kentucky and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :KY Nature Preserves Commission  
RESPONDENT :Richard Hannan, Director/Botanist  
KY Heritage Program  
KY Nature Preserves Commission  
407 Broadway  
Frankfort, KY 40601  
Telephone: 562-564-2886  
OTHER CONTACTS :Brian Anderson, Zoologist  
:Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :KY4

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KY002-01

CODE :LA001-01

STATE :LA  
DATA BASE NAME :LA Water Well Inventory  
SUBJECT COVERAGE :Location and attributes of water wells  
GEOGRAPHIC COVERAGE :Statewide, especially the southern half  
AGENCY :LA Geological Survey  
RESPONDENT :Bradford C. Hanson, Section Chief  
LA Geological Survey  
Water Resources Division  
7434 Perkins Road, Suite D  
Baton Rouge, LA 70808  
Telephone: 504-342-7460  
OTHER CONTACTS :Renwick Deville, Program Manager  
Telephone: 504-342-7460  
:Brenda David  
Computer Operations  
Telephone: 504-342-6720  
:Charles Grant, Director  
Telephone: 504-342-6754

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :LA State University  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MMOST, MP/M, CP/M  
SYSTEM CAPACITY :Main memory: 64K  
Disc storage: 83MB  
Simultaneous users supported: 8 (currently)  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
PASCAL  
SPECIALIZED SOFTWARE :PLOT 10  
DATASTAT  
REPORTSTAR  
INFOSTAT  
SAS  
PERIPHERAL DEVICES :Monochrome graphics CRT, line following digitizer,  
line printer, dot matrix printer with graphics, 8  
alphanumeric CRTs

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
water wells, location, depth, aquifer, yield, useage,  
geology, water quality  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude

MINIMUM RESOLUTION :Site specific; by county  
OUTPUT PRODUCTS :Tables, graphics, computer tape, statistical sum-  
maries, interactive video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Weekly  
COMMENTS :This information is made available through a cooper-  
ative program with the U.S. Geological Survey, the  
Department of Public Health, LA Office of Highways,  
and LA Office of Public Works

DOCUMENTATION :None available  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :7/14/83  
PAPER FILE NUMBER :LA7

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LA001-01

CODE :LA002-01

STATE :LA  
DATA BASE NAME :HODGES GARDENS  
SUBJECT COVERAGE :Vegetation  
GEOGRAPHIC COVERAGE :Privately owned Botanical Garden in Louisiana  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
DG ECLIPSE S/130  
RESIDENCE :In-house  
Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -  
hydrology, transportation, topography, cultural  
features, soils, existing land uses, analysis of  
visual corridors, slope, aspect, proximity features  
GEOGRAPHIC COVERAGE :4700 acre privately owned Botanical Garden, located  
in West Central Louisiana near Many, LA

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DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

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LA002-01

CODE :LA003-01

DATA CATEGORY NAME :Geology -  
surface features  
GEOGRAPHIC COVERAGE :Statewide

STATE :LA  
DATA BASE NAME :LA Areal Resource Information System  
DATA BASE ACRONYM :LARIS  
SUBJECT COVERAGE :Land use, soils data, base data, geology  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Operational, but present system needs to be upgraded to  
handle increasing data volume; data base initiated in  
1975  
AGENCY :LA Office of State Planning  
RESPONDENT :Richard Dugas  
LA Areal Resource Information System  
LA Office of State Planning  
P.O. Box 44425, Capitol Station  
Baton Rouge, LA 70804  
Telephone: 504-342-7410  
OTHER CONTACTS :Glenn Daigre, Land Use Coordinator

DATE OF INFORMATION :5/10/83  
PAPER FILE NUMBER :LA1

COMPUTER FACILITIES

COMPUTER(S) :DG C/300  
IBM 3031  
RESIDENCE :DG C/300 is in-house; line to IBM 3031

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Tektronix with hardcopy capability; access to a plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :land use  
GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Data available for 1974 land use, 1980 (USGS) land use

DATA CATEGORY NAME :Soils data -  
association, series  
GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Soils associations are available for the entire state;  
detailed soils survey data has been completed for 23  
parishes

DATA CATEGORY NAME :Base data -  
watershed, census boundaries  
GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Drainage basins digitized for 208 water quality pro-  
gram use

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OF POOR QUALITY

LA003-01

CODE :MA001-01

CODE :MA002-01

STATE :MA  
 DATA BASE NAME :MA Wildlife Inventory  
 DATA BASE ACRONYM :WINVNT  
 SUBJECT COVERAGE :Wildlife distribution and status  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This data base is being developed to provide information on the distributions of terrestrial vertebrates in Massachusetts. At this time, only mammalian records are available; records on other vertebrates (birds, reptiles and amphibians) are being added as time permits.  
 AGENCY RESPONDENT :MA Division of Fisheries and Wildlife  
 :James E. Cardoza, Game Biologist  
 MA Division of Fisheries and Wildlife  
 Field Headquarters  
 Westboro, MA 01581  
 Telephone: 617-366-4479  
 OTHER CONTACTS :Richard Keller, Assistant Aquatic Biologist  
 Kristine Corey, Jr. Planner

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 175  
 RESIDENCE :University of Massachusetts, Amherst  
 OPERATION :Interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 distribution, status, threatened, endangered, game  
 (mammals), non-game (mammals)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :By town  
 :By county  
 MINIMUM RESOLUTION :By town  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate to high (varies by source)  
 CONFIDENTIALITY :Locality data for endangered, threatened or other  
 special status species is subject to restricted access  
 COMMENTS :Records for other vertebrates (birds, reptiles and  
 amphibians) are being added as time permits

DOCUMENTATION :Users Manual (preliminary version) available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :7/13/83  
 PAPER FILE NUMBER :MA9

STATE :MA  
 DATA BASE NAME :MA Heritage Program  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This program was undertaken as a cooperative effort between the State of Massachusetts and The Nature Conservancy, a national nonprofit conservation organization.  
 AGENCY RESPONDENT :MA Department of Environmental Management  
 :John Feingold, Coordinator  
 MA Heritage Program  
 MA Department of Environmental Management  
 Division of Planning  
 100 Cambridge Street  
 Boston, MA 02202  
 Telephone: 617-727-3160  
 OTHER CONTACTS :Bruce Sorrie, Botanist  
 :Judy Harding, Zoologist  
 :Allison S. Fleming, Data Manager/Environmental Rev.  
 :Henry Woolsey, Plant Ecologist  
 :Lauren Meier, Data Handler  
 :Gro Flutebo, Preservation Plan  
 :Shellie Careau, Procedures Specialist  
 The Nature Conservancy  
 1800 North Kent Street  
 Arlington, VA 22209  
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
 ecological values (plant and animal species, plant  
 communities, aquatic systems, critical habitats and  
 other natural features) of particular interest because  
 they are exemplary, rare, or endangered at the state  
 or national level  
 GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
 DATE OF INFORMATION :1/21/83  
 PAPER FILE NUMBER :MA12

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OF POOR QUALITYMA001-01  
MA002-01

CODE :MA003-01

CODE :MA004-01

STATE :MA  
 DATA BASE NAME :New England Regional Heritage  
 GEOGRAPHIC COVERAGE :New England states  
 STATUS :This program was undertaken as a cooperative effort between the New England states and The Nature Conservancy, a national nonprofit conservation organization. The program is based in Boston, MA.  
 AGENCY :New England Regional Heritage  
 RESPONDENT :Larry Master, Coordinator/Zoologist  
 New England Regional Heritage  
 294 Washington Street  
 Room 446  
 Boston, MA 02108  
 Telephone: 617-423-9496  
 OTHER CONTACTS :Frances Bruckley, Botanist  
 Tom Rawinski, Plant Ecologist  
 Tom French, Zoologist/Data Manager  
 Shellie Gareau, Procedures Specialist  
 The Nature Conservancy  
 1800 North Kent Street  
 Arlington, VA 22209  
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level  
 GEOGRAPHIC COVERAGE :New England states

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DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
 DATE OF INFORMATION :1/21/83  
 PAPER FILE NUMBER :MA13

STATE :MA  
 DATA BASE NAME :ACID  
 SUBJECT COVERAGE :Environmental quality  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Repository initiated in 1980  
 AGENCY :MA Department of Fisheries, Wildlife, and Recreational Vehicles  
 RESPONDENT :Richard Keller, Assistant Aquatic Biologist  
 MA Department of Fisheries, Wildlife, and Recreational Vehicles  
 Division of Fisheries and Wildlife  
 Field Headquarters  
 Westboro, MA 01581  
 Telephone: 617-366-4470

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 175  
 RESIDENCE :University of Massachusetts - Amherst

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - water body codes, location, pH, total alkalinity, severity index, access type, fisheries value assessment, acid problems, stocking data  
 GEOGRAPHIC COVERAGE :Statewide  
 COMMENTS :Data base contains historical data from 1950s on

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DATE OF INFORMATION :1/14/83  
 PAPER FILE NUMBER :MA8

ORIGINAL PAGE IS  
OF POOR QUALITYMA003-01  
MA004-01

CODE :MD001-01

STATE :MD  
 DATA BASE NAME :MD Automated Geographic Information System  
 DATA BASE ACRONYM :MAGI  
 SUBJECT COVERAGE :Base data, cultural areas, land cover, soils data, topography, geology, surface water, vegetation and wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :MD Department of State Planning  
 RESPONDENT :Susan T. Alderman, Chief  
 Geographic Information Systems  
 Office of Planning Data  
 MD Department of State Planning  
 301 West Preston Street  
 Baltimore, MD 21201-2365  
 Telephone: 301-383-5664  
 OTHER CONTACTS :Michel A. Lettre, Director  
 Office of Planning Data

#### COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/82  
 PRIME 550  
 APPLE II  
 RESIDENCE :University of Maryland, College Park Campus  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Two TEK 4014 graphics terminals (one is kept at the University of Maryland for software development and testing), color graphics CRT, color image display, scanning digitizer, dot matrix printer with graphics, small flatbed pen plotter, eight hard copy terminals, two alphanumeric CRTS, two Tektronix 4631 hard copy units used with 4014 graphics terminals

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data -  
 counties, census tracts, watersheds, regional planning districts, minor civil divisions  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Cultural areas -  
 historic sites, archaeological sites, selected Maryland Heritage Program Sites, sewerage and water service areas, County Comprehensive Land Use Plans, open space, recreation areas, major highways, other rights of way  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Sewerage and water service areas - as new county plans are approved and adopted; County Comprehensive Land Use Plans - as new county plans are approved and adopted; major highways and other rights of way - every 2-3 years; selected Maryland Heritage Program Sites - annually; open space and recreation areas - every 1-2 years; archaeological sites - out of date, date of next update unknown  
 CONFIDENTIALITY :Archaeological data subject to disclosure requirements of the State Archaeologist  
 CLASSIFICATION :Sewerage and Water Service Area Definitions (Appendix 8); County Comprehensive Land Use Plan Classification Scheme (Appendix 9)

DATA CATEGORY NAME :Land cover -  
 1973, 1978, 1981, barren land, forest land, water, wetlands, cropland, pasture, urban/built-up  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell (minimum mapping unit on base maps is 10 acres)  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years (as statewide photography and funding are available)  
 CLASSIFICATION :Anderson Level III

DATA CATEGORY NAME :Land cover -  
 wetlands  
 GEOGRAPHIC COVERAGE :Statewide

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GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :At the discretion of the Coastal Resources Division (last update in 1978)

DATA CATEGORY NAME :Soils data - engineering characteristics, capability class, productivity, erosion, natural soil groups  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Topography - percent slope  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Geology - physiography, geologic formation, mineral resources  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :Geologic formation - one time only; mineral resources - as new data are available

DATA CATEGORY NAME :Surface water hydrology - quality, stream class, water use class, bay bathymetry  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre resolution  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 CLASSIFICATION :Von Deussen Stream Classification System (Appendix 10); Water Use Class Definitions

DATA CATEGORY NAME :Wildlife - management, habitat, threatened, endangered, edge effect, selected Maryland Heritage Program Sites  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Heritage data updated annually; endangered species data updated biennially; edge effect data updated as needed by the MD Wildlife Administration  
 CONFIDENTIALITY :All requests for specific information about endangered species or Maryland Heritage Sites are referred to source agencies

DATA CATEGORY NAME :Vegetation - communities, forest cover types  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :91.8-acre grid cell  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :At the discretion of the Maryland Forest Service; last updated in 1951

DOCUMENTATION : "MAGI", MD Department of State Planning Pub. # 81-13, revised April 1981; descriptions of software, data encoding format/procedures and data type also available  
 USER FEES POLICY : Fees charged on a cost recovery basis  
 DATE OF INFORMATION : 7/15/83  
 PAPER FILE NUMBER : MD1-1

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CODE :MD001-02

DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Decennially

STATE :MD  
DATA BASE NAME :MD Geographic Districting Information System  
DATA BASE ACRONYM :MDGIS  
SUBJECT COVERAGE :Demography  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This information system is compatible with the  
MD Automated Geographic Information System (MAGIS)  
(Code: MD001-01)  
AGENCY :MD Department of State Planning  
RESPONDENT :Susan T. Alderman, Chief  
Geographic Information Systems  
Office of Planning Data  
MD Department of State Planning  
301 West Preston Street  
Baltimore, MD 21201-2365  
Telephone: 301-383-5664  
OTHER CONTACTS :Michel A. Lettre, Director  
Office of Planning Data

DOCUMENTATION : "Maryland Geographic Districting Information System"  
publication available  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/15/83  
PAPER FILE NUMBER :MD1-2

#### COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/82  
PRIME 550  
APPLE IIe  
RESIDENCE :University of Maryland, College Park Campus  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Two Tektronix 4014 graphics terminals (one is kept  
at the University of Maryland for software develop-  
ment and testing), color graphics CRT, color  
image display, scanning digitizer, dot matrix  
printer with graphics, small flatbed pen plotter,  
eight hard copy terminals, two alphanumeric CRTs,  
two Tektronix 4631 hard copy units used with 4014  
graphics terminals

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
populations, social aspects, economic aspects, census  
tracts, minor civil divisions, counties, over 2,000  
socio-economic characteristics  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
MINIMUM RESOLUTION :1980 Census Tracts, 1980 Minor Civil Divisions  
DATA STORAGE FORMAT :Arc/node  
OUTPUT PRODUCTS :Maps (variable scale), graphics, statistical sum-  
maries, interactive video display capability

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CODE :MD001-03

STATE :MD  
DATA BASE NAME :MD Recreation Inventory System  
SUBJECT COVERAGE :Recreation and open space  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MD Department of State Planning  
RESPONDENT :Susan T. Alderman, Chief  
Geographic Information Systems  
Office of Planning Data  
MD Department of State Planning  
301 West Preston Street  
Baltimore, MD 21201-2365  
Telephone: 301-383-5664  
OTHER CONTACTS :Michel A. Lettre, Director  
Office of Planning Data

#### COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/82  
PRIME 550  
APPLE IIe  
RESIDENCE :University of Maryland, College Park Campus  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Two Tektronix 4014 graphics terminals (one is kept  
at the University of Maryland for software develop-  
ment and testing), color graphics CRT, color  
image display, scanning digitizer, dot matrix  
printer with graphics, small flatbed pen plotter,  
eight hard copy terminals, two alphanumeric CRTs,  
two Tektronix 4631 hard copy units used with 4014  
graphics terminals

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation and open space -  
ownership, facilities  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
MINIMUM RESOLUTION :91.8-acre grid cell  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, model-  
ling capability, statistical summaries, composite map-  
ping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Every 2-3 years

DOCUMENTATION : "Maryland Recreation and Open Space Plan Report 1:  
Inventory" (May 1982)  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/15/83  
PAPER FILE NUMBER :MD1-3

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MD001-03

CODE :ND002-01

STATE :ND  
DATA BASE NAME :MD Natural Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The MD Natural Heritage Program was established in 1979 as a cooperative effort between the State of Maryland and The Nature Conservancy, a private nonprofit organization dedicated to the preservation of natural diversity.  
AGENCY :MD Department of Natural Resources  
RESPONDENT :George H. Fenwick, Chief/Aquatic Biologist  
MD Natural Heritage and Environmental Review  
MD Department of Natural Resources  
Towes State Office Building, C-3  
Annapolis, MD 21401  
Telephone: 301-269-3656  
OTHER CONTACTS :Dan Boone, Botanist  
Mary Brosnan, Zoologist/Data Manager  
Shellic Careau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level  
GEOGRAPHIC COVERAGE :Statewide  
OUTPUT PRODUCTS :Variety of reports tailored to specific user requests  
DATA SOURCES :Primary

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DOCUMENTATION : "Maryland's Natural Heritage" (brochure); "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :2/7/83  
PAPER FILE NUMBER :ND7

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MD002-01

CODE :ME001-01

STATE :ME  
DATA BASE NAME :ME Lakes Morphometric Data System  
SUBJECT COVERAGE :Surface water  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ME Department of Environmental Protection  
RESPONDENT :Barbara Welch, Biologist  
              ME Department of Environmental Protection  
              State House Station 17  
              Augusta, ME 04333  
              Telephone: 207-289-3901  
OTHER CONTACTS :Wayne Gallant, Computer Programmer  
                  Telephone: 207-289-2691  
                  Henry Warren, Commissioner  
                  Telephone: 207-289-2811

#### COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL 8/52D  
              HONEYWELL 6/43  
              HONEYWELL 610  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :GCOS 3 (HONEYWELL 8/52D)  
                  MOD 400 Release 2rk (HONEYWELL 6/43)  
                  MOD 400 Release 3.0 (HONEYWELL 610)  
SYSTEM CAPACITY :HONEYWELL 8/52D:  
                  Main memory: 6MB  
                  Disc storage: 4 Billion  
                  Simultaneous users supported: >200  
                  HONEYWELL 6/43:  
                  Main memory: 1.28MB  
                  Disc storage: 100MB  
                  Simultaneous users supported: 20  
                  HONEYWELL 610:  
                  Main memory: 256K  
                  Disc storage: 720K  
                  Simultaneous users supported: 1  
LANGUAGE(S) :COBOL  
              FORTRAN  
PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
                      line printer, 5 hard copy terminals, 15 alpha-  
                      numeric CRTS

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
                      quality parameters, location, drainage area, runoff

GEOGRAPHIC COVERAGE :coefficient, morphometric parameters  
                      :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :2-meter intervals per lake for morphometry  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, interactive video display capability  
DATA SOURCES :Primary and Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :As needed

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DOCUMENTATION :Descriptions of hardware, software and data encoding  
                  format/procedures available  
USER FEES POLICY :Products and services available at no charge  
DATE OF INFORMATION :7/21/83  
PAPER FILE NUMBER :ME7-2

ORIGINAL PAGE IS  
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CODE :ME001-02

STATE :ME  
DATA BASE NAME :ME Lakes Water Quality Data System  
SUBJECT COVERAGE :Environmental quality - water  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ME Department of Environmental Protection  
RESPONDENT :Barbara Welch, Biologist  
ME Department of Environmental Protection  
State House Station 17  
Augusta, ME 04333  
Telephone: 207-289-3901  
OTHER CONTACTS :Wayne Gallant, Computer Programmer  
Telephone: 207-289-2691  
:Henry Warren, Commissioner  
Telephone: 207-289-2811

#### COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL 8/52D  
HONEYWELL 6/43  
HONEYWELL 610  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :GCOS 3 (HONEYWELL 8/52D)  
MOD 400 Release 2rk (HONEYWELL 6/43)  
MOD 400 Release 3.0 (HONEYWELL 610)  
SYSTEM CAPACITY :HONEYWELL 8/52D:  
Main memory: 6MB  
Disc storage: 4 Billion  
Simultaneous users supported: >200  
HONEYWELL 6/43:  
Main memory: 1.28MB  
Disc storage: 100MB  
Simultaneous users supported: 20  
HONEYWELL 610:  
Main memory: 256K  
Disc storage: 720K  
Simultaneous users supported: 1  
LANGUAGE(S) :COBOL  
FORTRAN  
PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
line printer, 5 hard copy terminals, 15 alpha-  
numeric CRTS

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water quality parameters, temperature, pH, dissolved

oxygen, chlorophyll a, alkalinity, transparency, total  
phosphorus  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :By lake  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Biennially

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DOCUMENTATION :Descriptions of hardware, software and data encoding  
format/procedures available  
USER FEES POLICY :Products and services available at no charge  
DATE OF INFORMATION :7/21/83  
PAPER FILE NUMBER :ME7-1

ORIGINAL PAGE IS  
OF POOR QUALITY

ME001-02

CODE :MI001-01

STATE :MI  
DATA BASE NAME :Local Unit Computerized Information  
DATA BASE ACRONYM :LUCI  
SUBJECT COVERAGE :Demography, land area  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MI Department of Commerce  
RESPONDENT :Carol Hoffman, Director  
Office of Community Development  
MI Department of Commerce  
525 West Ottawa Street  
P.O. Box 30004  
Lansing, MI 48909  
Telephone: 517-373-8363  
OTHER CONTACTS :Tom Nicholas, Data Base Manager  
Telephone: 517-373-2685

DOCUMENTATION :LUCI Data Base Dictionary  
USER FEES POLICY :Products and services available at no charge  
DATE OF INFORMATION :7/20/83  
PAPER FILE NUMBER :MI4

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS 6800  
RESIDENCE :Treasury, Central Systems Data System  
OPERATION :Interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
populations, social aspects, economic aspects  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :By county  
By city  
By township  
By village  
MINIMUM RESOLUTION :By county, city, township, or village  
OUTPUT PRODUCTS :Tables, graphics (crude), modelling capability,  
statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously

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DATA CATEGORY NAME :land area  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :By local political subdivision  
MINIMUM RESOLUTION :1 square mile (section)  
OUTPUT PRODUCTS :Tables, graphics, statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :No regular update  
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ORIGINAL PAGE 13  
OF POOR QUALITY

MI001-01

CODE :MI002-01

STATE :MI  
 DATA BASE NAME :MI Resource Information System  
 SUBJECT COVERAGE :Boundaries (base maps), surface water hydrology (base maps), land use (current use), land resources  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Under development  
 AGENCY :MI Department of Natural Resources  
 RESPONDENT :Michael Scieszka, Program Manager  
 Land Resource Programs Division  
 MI Department of Natural Resources  
 Stevens T. Mason Building  
 P.O. Box 30028  
 Lansing, MI 48909  
 Telephone: 517-373-3328

#### COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052A  
 :DEC PDP 11/70  
 BURROUGHS 7700  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M PLUS V01 BLG (for DEC PDP 11/70)  
 SYSTEM CAPACITY :Main memory: 768K  
 Disc storage: 300MB  
 Simultaneous users supported: 8  
 LANGUAGE(S) :FORTRAN IV  
 SPECIALIZED SOFTWARE :Calcomp standard  
 DMS - Intergraph Inc.  
 PERIPHERAL DEVICES :4 monochrome graphics CRTS, 2 tablet-free cursor digitizers, small flatbed pen plotter, precision flatbed pen plotter, 1 hard copy terminal, 1 alphanumeric CRT

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries (base maps) - state, counties, townships, streets, highways, section corners, section numbers, governmental boundaries  
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 50% of the state complete to date  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High

DATA CATEGORY NAME :Surface water hydrology - lakes, streams, drains, intermittent streams  
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 50% of the state complete to date  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :1 acre (for lakes)  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High

DATA CATEGORY NAME :Land use (current use) - urban, agriculture, nonforested, forested, water, wetlands, barren  
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 25% of the state is complete to date  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Polygon; polygon converted to grid  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years  
 CLASSIFICATION :From Anderson Levels 3, 4, and 5 selectively to meet needs

DATA CATEGORY NAME :Land resources - mineral extraction/energy production, unique areas, sensitive areas, public lands, legally restricted lands, prime lands, agriculture lands, forest lands  
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 20% of the state is complete to date  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :10 acres; 2-5 acres  
 DATA STORAGE FORMAT :Grid, polygon, coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, statistical summaries, interactive video display  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :Every 10 years  
 CONFIDENTIALITY :Location of threatened and endangered species and archaeological sites subject to restricted access

DOCUMENTATION :General description of the data base available; also information on hardware, data assessment procedures and data type  
 USER FEES POLICY :Fees charged on a cost recovery basis; contractual work furthering data base construction would be considered  
 DATE OF INFORMATION :7/11/83  
 PAPER FILE NUMBER :M15

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 OF POOR QUALITY

MI002-01

CODE :MI003-01

STATE :MI  
DATA BASE NAME :MI Natural Features Inventory  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Michigan and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :MI Department of Natural Resources  
RESPONDENT :Sue Crispin, Coordinator/Botanist  
MI Natural Features Inventory  
MI Department of Natural Resources  
Land Resource Programs  
Box 30028  
Lansing, MI 48909  
Telephone: 517-373-1552  
OTHER CONTACTS :Kim Chapman, Plant Ecologist  
:Stu Owinga, Data Manager  
:Judy Soule, Zoologist/Data Handler  
:Shellie Carreau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION : 1/21/83  
PAPER FILE NUMBER : N16

ORIGINAL PAGE 18  
OF POOR QUALITY

MI003-01



CODE :MN001-01

STATE :MN  
DATA BASE NAME :MN Land Management Information Center  
DATA BASE ACRONYM :LMIC  
SUBJECT COVERAGE :Geographic base map or boundary data, resource data, land ownership data, outdoor recreation, soils data, cropland productivity, others

GEOGRAPHIC COVERAGE :Statewide  
STATUS :The Minnesota Land Management Information Center (LMIC) is organized into three functional areas: (1) the Minnesota Land Management Information System (MLMIS) and its Service Bureau, (2) the Mapping and Remote Sensing Information Center (MARSIC) and (3) the Minnesota Natural Resource Information and Data Exchange (INDEX).

MLMIS includes both (1) the systems section which defines the data base structure, develops new analysis tools and enters new data and (2) the Service Bureau which provides assistance to users of the data and analysis systems on a contractual basis (see Code: MN001-02 for details).

MARSIC centralizes mapping and remote sensing information for the state. Catalogs of Minnesota's aerial photography and mapping products are compiled and information on other remote sensing and mapping data can be obtained from the center.

INDEX is a computerized clearinghouse for sources of natural resource information in Minnesota. The system contains files on published and unpublished documents, resource persons, data collections, research-in-progress, maps and remote sensing products, and Minnesota Environmental Impact Statements. Custom searches may be done on the full-text searchable interactive data base.

The Land Management Information Center maintains summary/reference data bases, geographic data bases, MLMIS 40-acre parcel data, and programmatic/administrative data bases. These data bases are itemized below:

#### SUMMARY/REFERENCE DATA BASES

- Catalog of Data Sources: Land Use in Minnesota (Land Use Catalog)
- Community Profiles of Population and Housing (Towns)
- FIPS
- Geographic Place Names
- Housing and Urban Development (HUD) County and Adequacy to Serve Human Services Needs
- INDEX (Information and Data Exchange)
- Lake Summary Data Base
- Minnesota Resource Profiles
- Systems for Water Information Management (SWIM)

#### Catalog - Tools of Techniques and Planning

GEOGRAPHIC DATA BASES  
(Refer to "Description of Data Categories" for details of 17 Geographic Data Bases)

MLMIS 40 ACRE PARCEL DATA  
(Refer to "Description of Data Categories" for details of 29 files of MLMIS 40-Acre Parcel Data)

PROGRAMMATIC/ADMINISTRATIVE DATA BASES  
- Developmental Disability Statistical Data Base  
- Mailing Labels  
- Outdoor Recreation Grants Information  
- Tourism Labeling System  
- USGS Topographic Mapping Priorities

#### AGENCY RESPONDENT

:MN State Planning Agency  
:Janice McAllister, Research Analyst  
MN State Planning Agency  
Room 11-45 Metro Square Building  
7th & Robert Streets  
St. Paul, MN 55101  
Telephone: 612-296-2079

#### OTHER CONTACTS

:Alan Robinette, Director  
Office of Physical Resources Planning  
Telephone: 612-296-1211

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 850  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4MB  
Disc storage: 900MB  
SPECIALIZED SOFTWARE :EPPL (Environmental Planning and Programming Language)  
PERIPHERAL DEVICES :Two Talos 36" x 48" digitizers (one backlit), Digit PDI-11 micro-computer with 60 KB and dual floppy disks, three VT 100 CRTs, Tektronix 4012 Graphic CRT, Houston Instruments DP-883 three-pen drum plotter, Versatec 812 22" Electrostatic Plotter, Printronix line printer with Trilog Colorplot 100; Image Processing Station consisting of DeAnza IP5524 Image Array Processor with 756 KB of refresh memory, 512 x 512 resolution screen, dual cursor, joystick, and color look-up tables

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural resources -

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location, characteristics, and significance for preservation of archaeological sites  
 :Statewide  
 :The "Archaeologic Site Inventory" data base is a collection by the MN Historical Society

DATA CATEGORY NAME :Socio-economic data -  
 1980 Census of population and housing data as supplied by U.S. Bureau of the Census  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Block level  
 DATA SOURCES :Secondary  
 COMMENTS :The "Census Data" data base includes 1980 census maps which have been digitized by LMIC down to block level to allow mapping of census information

DATA CATEGORY NAME :Topography -  
 elevation as interpolated from the USGS 1:25,000 topographic map series  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Every 100 meters across the state  
 DATA SOURCES :Secondary  
 COMMENTS :Data are included in LMIC's "Digital Terrain Data" data base

DATA CATEGORY NAME :Site assessment -  
 locational criteria for siting large electric power plants in an orderly manner compatible with preservation of environment  
 GEOGRAPHIC COVERAGE :Statewide  
 MINIMUM RESOLUTION :Five kilometers  
 COMMENTS :Data are included in the "Five Kilometer (5K) Data" data base

DATA CATEGORY NAME :Recreation -  
 development and resource characteristics for some 2000 lakes in Minnesota  
 MINIMUM RESOLUTION :Government lot level or 40-acre parcel  
 COMMENTS :Data are included in the "Lakeshore Study Data Base 1967"

DATA CATEGORY NAME :Minerals -  
 known mineral deposits active between 1974-1978; property name, ownership, operational status  
 GEOGRAPHIC COVERAGE :Statewide

MINIMUM RESOLUTION  
 DATA SOURCES  
 COMMENTS

:40-acre parcel  
 :Secondary  
 :An inventory by the U.S. Bureau of Mines; data are included in the "Mineral Industry Location System (MILS)"

DATA CATEGORY NAME

:City growth -  
 location and extent of city growth in terms of the acres of land annexed and detached over the last seven years  
 :Statewide  
 :A part of the user-friendly Resource Profiles; data in the "Municipal Annexation Trends" data base are available for cities, counties and the state

GEOGRAPHIC COVERAGE  
 COMMENTS

DATA CATEGORY NAME  
 CLASSIFICATION  
 COMMENTS

:Wetlands  
 :Cowardin classification system  
 :The "National Wetlands Inventory" data base contains a collection of wetlands data digitized from selected 7 1/2' USGS topographic maps

DATA CATEGORY NAME

:Forestry -  
 detailed information at the forest stand level  
 :State managed lands  
 :The "Phase II Forestry Inventory" data base contains a collection supplied by the MN Department of Natural Resources

GEOGRAPHIC COVERAGE  
 COMMENTS

DATA CATEGORY NAME

:Socio-economic data -  
 a collection of data based on the voting returns for major 1978, 1980 political elections in Minnesota  
 :Data included in the "Political Data" data base

COMMENTS

DATA CATEGORY NAME

:Land records -  
 location, acreage, management area code and managing agency for state, county and federal lands  
 :Data included in the "Public Land Records" data base

COMMENTS

DATA CATEGORY NAME

:Base data -  
 rivers, intermittent streams and drainage ditches, and approximately one-third of the Minnesota lakes  
 :Statewide  
 :Secondary  
 :The "River Kilometer and Lakes" data base is a collection

GEOGRAPHIC COVERAGE  
 DATA SOURCES  
 COMMENTS

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created by the MN Department of Natural Resources by digitizing 7 1/2' USGS topographic maps

---

DATA CATEGORY NAME :Rural subdivisions -  
location and sales activity of subdivided lands registered by the State Department of Commerce and Real Estate; total lots registered and sales data for subdivisions of 10 lots or larger from 1977 to 1981

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Data included in the "Rural Subdivisions" data base

---

DATA CATEGORY NAME :Transportation -  
gravel pit inventory, ownership and use characteristics for nearly 6000 sites

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :The MN Department of Transportation gravel pit inventory provides a historical view of gravel exploration and production as used for highway construction purposes; data included in the "Sand and Gravel Data Base"

---

DATA CATEGORY NAME :Base data -  
section corners

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Universal Transverse Mercator  
:The "State Section Corner Data" data base contains a collection of estimated UTM coordinates of all section corners as digitized from 7 1/2' USGS topographic maps

---

DATA CATEGORY NAME :Surface water hydrology -  
daily mean flow readings for approximately 60 gaging stations around the state

COMMENTS :The "Streamflow Data" data base contains a collection acquired by the Power Plant Siting staff of the Environmental Quality Board

---

DATA CATEGORY NAME :Geology -  
location and general characteristics of approximately 7000 high capacity wells

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :The "Wells Identifications" data base includes a developing collection created by the MN Geological Survey

---

DATA CATEGORY NAME :Ownership -  
actual acreage owned by the state

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Forty-acre parcel  
:The MN Department of Natural Resources administers a majority of the land owned by the State of Minnesota; this "Acreage" variable is part of the MNIS 40-Acre Parcel Data, and contains information for each of the 1,400,000 forty-acre parcels

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DATA CATEGORY NAME :State lands -  
administering division for Department of Natural Resources lands; administration of tax-forfeited lands which are state-owned but county administered

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Forty-acre parcel  
:The MN Department of Natural Resources administers a majority of the land owned by the state; land management can be inferred from this "Administering Agency" variable of the MNIS 40-Acre Parcel Data

---

DATA CATEGORY NAME :Agriculture -  
relative suitability of areas for agricultural production based on soil characteristics and climate; productivity rating

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Forty-acre parcel  
:This "Cropland Productivity" variable is part of the MNIS 40-Acre Parcel Data

---

DATA CATEGORY NAME :Ownership -  
land parcels owned by various departments of the federal government

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Forty-acre parcel  
:This "Federal Land Ownership 1978" variable is part of the MNIS 40-Acre Parcel Data

---

DATA CATEGORY NAME :Site assessment -  
highest recommended use for land administered by the MN Department of Natural Resources

GEOGRAPHIC COVERAGE :Statewide  
COMMENTS :Forty-acre parcel  
:This "Highest Recommended Use" variable is part of the MNIS 40-Acre Parcel Data

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DATA CATEGORY NAME :Transportation -  
40-acre parcels adjacent to or containing roads and inter-  
sections; data classes denote various classes of road or  
inter-section  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :This "Highway Orientation" variable is part of the MNIS  
40-Acre Parcel Data

DATA CATEGORY NAME :Land use/land cover -  
nine classes of land use/land cover  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :This "Land Use/Land Cover 1969" variable was derived from  
high altitude aerial photography, and is part of the MNIS  
40-Acre Parcel Data

DATA CATEGORY NAME :Forestry -  
groups of tree species which commonly grow in association;  
each variable class refers to a distinct forest type  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :U.S. Forest Service definitions of commercial forest lands  
:This "Major Forest Types 1977" variable is part of the  
MNIS 40-Acre Parcel Data

DATA CATEGORY NAME :Base data -  
identification and delineation of a detailed set of con-  
sistent height of land watershed boundaries; watershed  
units  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :This "Major Watersheds" variable is part of the MNIS  
40-Acre Parcel Data

DATA CATEGORY NAME :State lands -  
legal method through which the state obtained ownership  
of land administered by the MN Department of Natural  
Resources or land which is tax forfeited  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :This "Means of Acquisition" variable is part of the MNIS  
40-Acre Parcel Data

DATA CATEGORY NAME :Ownership -  
relationship between surface and subsurface land and  
minerals ownership for lands administered by the MN  
Department of Natural Resources  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
CLASSIFICATION :Ownership classes are established by a combination of  
State and Federal laws, plus individual deed restrictions  
COMMENTS :This "Mineral Ownership" variable is part of the MNIS  
40-Acre Parcel Data

DATA CATEGORY NAME :Base data -  
minor civil divisions (MCD)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :The "Minor Civil Divisions 1970" variable contains  
political subdivisions (such as an incorporated municipi-  
pality, township, or unorganized territory) defined by  
the U.S. Census Bureau for the 1970 Census. There are  
2728 MCDs in Minnesota. This variable is part of the  
MNIS 40-Acre Parcel Data, and may be used as a base  
map file which allows other data to be displayed by MCD  
within a county.

DATA CATEGORY NAME :Base data -  
identification and delineation of a detailed set of con-  
sistent height of land watershed boundaries; watershed  
units  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :This "Minor Watersheds" variable is part of the MNIS  
40-Acre Parcel Data

DATA CATEGORY NAME :Ownership -  
ownership as of 1978 for land under federal, state or  
county jurisdiction  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel  
COMMENTS :This "Public Land Ownership 1978" variable is part of  
the 40-Acre Parcel Data

DATA CATEGORY NAME :Base data -  
quarter-quarter sections from regular sections and  
irregular parcels, from the Public Land Survey  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Forty-acre parcel

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COMMENTS :This "Public Land Survey (PLS) Forty Acre Parcel" variable along with three other PLS variables is used to geographically link other data files to MNMIS

DATA CATEGORY NAME :Base data -  
record of Range Numbers from the original Public Land Survey

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Public Land Survey (PLS) Range Number" variable along with three other PLS variables is used to geographically link other data files to MNMIS

DATA CATEGORY NAME :Base data -  
record of section numbers from the original Public Land Survey

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Public Land Survey (PLS) Section Number" variable along with three other PLS variables is used to geographically link other data files to MNMIS

DATA CATEGORY NAME :Base data -  
records of the Township Numbers from the original Public Land Survey

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Public Land Survey (PLS) Township Number" variable along with three other PLS variables is used to geographically link other data files to MNMIS

DATA CATEGORY NAME :State lands -  
recommendations for disposing of state owned lands administered by the MN Department of Natural Resources

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Recommended Disposition" variable is part of the MNMIS 40-Acre Parcel Data

DATA CATEGORY NAME :Base data -  
school district boundaries

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :Most counties have two or more districts and all but

three districts contain facilities for elementary through high school. This "School Districts" variable is part of the MNMIS 40-Acre Parcel Data, and may be used as a base map or geographic reference to display other data by school district.

DATA CATEGORY NAME :State lands -  
second administering agency

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Second Administering Agency" variable is part of the MNMIS 40-Acre Parcel Data. These data come from the MN Department of Natural Resources (DNR) Land Ownership/Classification Record System. Land Ownership is collected by the DNR's Land Bureau which is the central depository for all land records in the Department. Land transactions are continually recorded by the Bureau and a computerized file of these records is updated annually. Land Classification and Tax-forfeited land records for this variable were added by the DNR's Policy Planning Section. As of July 1, 1979, tax-forfeited records will be obtained from county-generated lists supplied to DNR in compliance with State regulations in lieu of taxes.

DATA CATEGORY NAME :Site assessment -  
second recommended use for lands administered by the MN Department of Natural Resources

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Second Recommended Use" variable is part of the MNMIS 40-Acre Parcel Data

DATA CATEGORY NAME :Landscape units -  
soil landscape units (group of soils generalized into a homogeneous unit based on sub-surface soil texture, surface soil texture, drainage characteristics, and surface color); geomorphic regions (physiographic areas defined by topographic relief and soil parent material)

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Forty-acre parcel

COMMENTS :This "Soil Landscape Units and Geomorphic Regions" variable is part of the MNMIS 40-Acre Parcel Data.

DATA CATEGORY NAME :Soils data -  
relative suitability of areas for agricultural production

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based on soil texture, drainage, color, and slope; depth of rooting zone; and phosphorous/potassium content

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Forty-acre parcel  
 COMMENTS :This "Soil Productivity For Cropland" variable is part of the MLNIS 40-Acre Parcel Data

DATA CATEGORY NAME :Ownership - state land; identifies state lands held by state agencies other than the MN Department of Natural Resources

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Forty-acre parcel  
 COMMENTS :This "State Land Ownership" variable is part of the MLNIS 40-Acre Parcel Data

DATA CATEGORY NAME :State lands - record of type of legal controls on lands administered by the MN Department of Natural Resources or is tax-forfeited

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Forty-acre parcel  
 COMMENTS :This "Statutory Land Class" variable is part of the MLNIS 40-Acre Parcel Data

DATA CATEGORY NAME :Base data - townships

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Forty-acre parcel  
 COMMENTS :Because of surveying irregularities and the use of different PLS numbering schemes in parts of the State, some legal townships are not ideal square areal units six miles on a side, containing 36 square miles. For each legal township, MLNIS assigned a unique township number within each county. This "Townships" variable is part of the MLNIS 40-Acre Parcel Data.

DATA CATEGORY NAME :Surface water hydrology - identification of 40-acre parcels which adjoin or contain water, and description of the kind of water features a parcel touches; each class refers to a different kind of hydrologic feature

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Forty-acre parcel  
 COMMENTS :This "Water Orientation" variable is part of the MLNIS 40-Acre Parcel Data

DATA CATEGORY NAME :Irrigation - source of water

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Forty-acre parcel  
 COMMENTS :The "Water Source For Irrigation 1977" variable is determined from a survey of the MN Department of Natural Resources Water Appropriation permits, and is part of the MLNIS 40-Acre Parcel Data

DOCUMENTATION : "LMIC Overview, 1982: Introducing the Minnesota Land Management Information Center" (January 1, 1982); "LMIC Data Inventory: Land Management Information Center" (July 1, 1982); "The Minnesota Land Management Information Center (LMIC): Building a Geographic Information System Through Client Services" (August 1, 1983)

USER FEES POLICY :Fees charged according to a fee schedule  
 DATE OF INFORMATION :9/12/83  
 PAPER FILE NUMBER :NM2

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CODE :MN002-01

CODE :MN003-01

STATE :MN  
 DATA BASE NAME :MN Ambient Air Quality Data System  
 SUBJECT COVERAGE :Air quality/climate data  
 GEOGRAPHIC COVERAGE :Several points in Twin Cities, northeast and central Minnesota  
 STATUS :Repository initiated in 1970  
 AGENCY :MN Pollution Control Agency  
 RESPONDENT :Bryan Fredrick, Research Analyst Specialist  
 MN Pollution Control Agency  
 1935 West County Road B2  
 Roseville, MN 55113-2785  
 Telephone: 612-296-7264  
 OTHER CONTACTS :J. Michael Valentine, Director  
 Division of Air Quality  
 Telephone: 612-296-7331

COMPUTER FACILITIES

COMPUTER(S) :PDP 8  
 RESIDENCE :In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
 air quality  
 GEOGRAPHIC COVERAGE :Several points in Twin Cities, northeast and central Minnesota

DATA CATEGORY NAME :Climate/weather -  
 temperature, wind data  
 GEOGRAPHIC COVERAGE :Several points in Twin Cities, northeast and central Minnesota

DATE OF INFORMATION :6/14/83  
 PAPER FILE NUMBER :MN7

STATE :MN  
 DATA BASE NAME :MN Ambient Ground-Water Quality Monitoring Program  
 SUBJECT COVERAGE :Groundwater quality data  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Repository initiated in 1978; the purpose of the program is to determine ambient or background water quality, and to discover and monitor long-term changes in groundwater quality which may occur in one or more of 12 principal state aquifers.  
 AGENCY :MN Pollution Control Agency  
 RESPONDENT :Dale Trippier  
 MN Pollution Control Agency  
 Division of Solid and Hazardous Waste  
 1935 West County Road B2  
 Roseville, MN 55113-2785  
 Telephone: 612-296-7318  
 OTHER CONTACTS :John Holck, Supervisor  
 Ground Water Unit  
 Program Development Section  
 Solid and Hazardous Waste Division

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850  
 RESIDENCE :MN State Planning Agency Land Management Information Center (LMIC)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
 water quality data from approximately 350 wells and springs; water temperature, pH, conductivity; 38 inorganic parameters  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Aquifer  
 OUTPUT PRODUCTS :Statistical summaries, computer printouts  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :The network wells are being resampled at five-year intervals  
 COMMENTS :Data supplied to EPA/STORET

DOCUMENTATION : "Design and Operation of an Ambient Ground-Water Quality Monitoring Program for Minnesota" (in Proceedings, Sixth National Ground Water Quality Symposium, Atlanta, GA, September 22-24, 1982)  
 DATE OF INFORMATION :7/12/83  
 PAPER FILE NUMBER :MN14

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MN003-01

CODE :MN004-01

STATE :MN  
DATA BASE NAME :Solid Waste Facility Inventory and Monitoring System  
DATA BASE ACRONYM :SWFINS  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Repository initiated in 1979 (included data from 1971 to present)  
AGENCY :MN Pollution Control Agency  
RESPONDENT :Gretchen Sabel  
          :MN Pollution Control Agency  
          :Division of Solid and Hazardous Waste  
          :1935 West County Road B2  
          :Roseville, MN 55113-2785  
          :Telephone: 612-296-7753

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER  
RESIDENCE :University of Minnesota

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
                    :site, well and water quality data from approximately  
                    :150 land disposal facilities  
GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :7/14/83  
PAPER FILE NUMBER :MN15

CODE :MN005-01

STATE :MN  
DATA BASE NAME :MN Natural Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Minnesota and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :MN Department of Natural Resources  
RESPONDENT :Barbara Coffin, Coordinator  
          :MN Natural Heritage Program  
          :MN Department of Natural Resources  
          :Box 7, Non-Game Program  
          :St. Paul, MN 55155  
          :Telephone: 612-296-4284  
OTHER CONTACTS :Melby Smith, Botanist  
                  :Keith Wendt, Plant Ecologist  
                  :Lee Phannamuelier, Zoologist  
                  :Almaz Tschay, Data Handler/Secretary  
                  :Shellie Gareau, Procedures Specialist  
                  :The Nature Conservancy  
                  :1800 North Kent Street  
                  :Arlington, VA 22209  
                  :Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
                    :ecological values (plant and animal species, plant  
                    :communities, aquatic systems, critical habitats and  
                    :other natural features) of particular interest because  
                    :they are exemplary, rare, or endangered at the state  
                    :or national level  
GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :MN16

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MN005-01



CODE :MO001-01

CODE :MO001-02

STATE :MO  
DATA BASE NAME :Land Cover  
SUBJECT COVERAGE :Wildlife habitat  
GEOGRAPHIC COVERAGE :Statewide (by mid '84)  
STATUS :This data base is being developed as a cooperative effort  
with the Crop and Livestock Reporting Service.  
AGENCY :MO Department of Conservation  
RESPONDENT :Elizabeth Cook, Resources Planner  
MO Department of Conservation  
PO Box 180  
Jefferson City, MO 65102  
Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX  
RESIDENCE :University of Missouri Geographic Resources Center,  
Columbia, MO  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :ELAS  
PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
habitat - land cover mapping  
GEOGRAPHIC COVERAGE :Statewide by mid '84  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
DATA STORAGE FORMAT :Digital  
DATA SOURCES :Primary and secondary  
COMMENTS :Data are from Landsat

DATE OF INFORMATION :1/20/84  
PAPER FILE NUMBER :MO1-1

STATE :MO  
DATA BASE NAME :Caves  
SUBJECT COVERAGE :Invertebrate biology  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MO Department of Conservation  
RESPONDENT :Elizabeth Cook, Resources Planner  
MO Department of Conservation  
PO Box 180  
Jefferson City, MO 65102  
Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :AMDHL  
RESIDENCE :University of Missouri Network, Columbia, MO  
OPERATION :Interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SASGRAPH  
PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
invertebrate specimen collection records including  
listing of species, habitat description  
GEOGRAPHIC COVERAGE :Statewide (all caves on public land)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :160 acres (quarter section)  
DATA STORAGE FORMAT :Tabular  
DATA SOURCES :Primary  
UPDATE FREQUENCY :As needed  
CONFIDENTIALITY :Location of rare/endangered spp., any unique data are  
subject to restricted access  
COMMENTS :Link is available to plot data geographically

USER FEES POLICY :Products and services are usually available at no charge  
DATE OF INFORMATION :1/20/83  
PAPER FILE NUMBER :MO1-2

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MO001-01  
MO001-02

CODE :M0001-03

CODE :M0001-04

STATE :NO  
 DATA BASE NAME :Rare and Endangered Species  
 SUBJECT COVERAGE :Vegetation, wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :MO Department of Conservation  
 RESPONDENT :Elizabeth Cook, Resources Planner  
 NO Department of Conservation  
 PO Box 180  
 Jefferson City, MO 65102  
 Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :AMDahl  
 RESIDENCE :University of Missouri Network, Columbia, MO  
 OPERATION :Interactive  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SASGRAPH  
 PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -  
                           rare and endangered: range and distribution  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 DATA SOURCES :Secondary (literature review)  
 CONFIDENTIALITY :Requests for data must be reviewed for ecological use  
 COMMENTS :Link is available to plot data geographically

DATA CATEGORY NAME :Wildlife -  
                           rare and endangered: range and distribution  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 DATA SOURCES :Secondary (literature review)  
 CONFIDENTIALITY :Requests for data must be reviewed for ecological use  
 COMMENTS :Link is available to plot data geographically

=====

USER FEES POLICY :Products and services are usually available at no cost  
 DATE OF INFORMATION :1/20/84  
 PAPER FILE NUMBER :M01-3

STATE :NO  
 DATA BASE NAME :Natural Areas  
 SUBJECT COVERAGE :Natural areas in Missouri  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :MO Department of Conservation  
 RESPONDENT :Elizabeth Cook, Resources Planner  
 MO Department of Conservation  
 PO Box 180  
 Jefferson City, MO 65105  
 Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :AMDahl  
 RESIDENCE :University of Missouri Network, Columbia, MO  
 OPERATION :Interactive  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SASGRAPH  
 PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural areas -  
                           roster of name, ownership type, county, acreage,  
                           status  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Site specific, 160 acres (quarter section)  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Report  
 DATA SOURCES :Primary  
 COMMENTS :Link is available to plot data geographically

=====

USER FEES POLICY :Products and services are usually available at no charge  
 DATE OF INFORMATION :1/20/84  
 PAPER FILE NUMBER :M01-4

ORIGINAL PAGE IS  
OF POOR QUALITYM0001-03  
M0001-04

CODE :M0002-01

CODE :M0003-01

STATE :MO  
DATA BASE NAME :PROCEDURES: A Wildlife Information System for Missouri  
DATA BASE ACRONYM :PROCEDURES  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base initiated 1982; currently nearing completion  
Being created under contract for the MO Department of  
Conservation  
AGENCY :Geographic Resources Center  
RESPONDENT :Gregory T. Koeln, Assistant Professor  
Geographic Resources Center  
University of Missouri - Columbia  
248 Electrical Engineering Building  
Columbia, MO 65211  
Telephone: 314-882-3617

COMPUTER FACILITIES

COMPUTER(S) :IBM 3032  
RESIDENCE :University of Missouri - Columbia

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SPIRES

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
approximately 950 species of Missouri including  
information on distribution, abundance, legal status,  
life history, etc.  
GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :Being developed  
USER FEES POLICY :User fee schedule will be developed  
DATE OF INFORMATION :1/10/83  
PAPER FILE NUMBER :M05

STATE :MO  
DATA BASE NAME :Climatological Data  
GEOGRAPHIC COVERAGE :Missouri and surrounding states  
AGENCY :University of Missouri  
RESPONDENT :Wayne L. Decker, Professor  
University of Missouri - Columbia  
701 Nitt Street  
Columbia, MO 65211  
Telephone: 314-882-6591

COMPUTER FACILITIES

COMPUTER(S) :IBM 3032  
RESIDENCE :University of Missouri - Columbia

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
temperature, precipitation, radiation, humidity,  
wind  
GEOGRAPHIC COVERAGE :Missouri and surrounding states  
COMMENTS :Data acquired since 1947

DATE OF INFORMATION :2/2/83  
PAPER FILE NUMBER :M08

ORIGINAL PAGE IS  
OF POOR QUALITY

M0002-01  
M0003-01

CODE :M0004-01

STATE :MO  
DATA BASE NAME :MO Natural Heritage Inventory  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Missouri and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :MO Department of Natural Resources  
RESPONDENT :Dicky Uaefer, Coordinator/Plant Ecologist  
MO Natural Heritage Inventory  
MO Department of natural Resources  
1915 Southridge Road  
Box 176  
Jefferson City, MO 65102  
Telephone: 314-751-2479  
OTHER CONTACTS :Bill Resetarits, Zoologist, Data Manager  
Terri Roberts, Secretary  
Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :MO10

ORIGINAL PAGE IS  
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M0004-01

CODE :MS001-01

STATE :MS  
 DATA BASE NAME :Multivariable Data Base - Lowndes County  
 DATA BASE ACRONYM :Lowndes  
 SUBJECT COVERAGE :Topography, soils data, land cover, land use, groundwater, surface water, base data and natural disasters  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 AGENCY :MS Remote Sensing Center  
 RESPONDENT :W. Frank Miller, Director  
 MS Remote Sensing Center  
 P.O. Drawer FR  
 Mississippi State, MS 39762  
 Telephone: 601-325-2946  
 OTHER CONTACTS :Karen Minchew, Research Associate  
 Telephone: 601-325-3760

#### COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
 DATA GENERAL ECLIPSE S/130  
 RESIDENCE :Mississippi State University computer center (UNIVAC 1100/80); in-house (DATA GENERAL ECLIPSE S/130)  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS  
 SYSTEM CAPACITY :Main memory: 256K  
 Disc storage: 96MB  
 Simultaneous users supported: 2  
 LANGUAGE(S) :FORTRAN  
 Assembler  
 SPECIALIZED SOFTWARE :Database manipulation/display package  
 Suitability modelling package  
 PERIPHERAL DEVICES :Color image display, 2 line following digitizers, electrostatic plotter, color graphics camera

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Topography - elevation, slope percent class, slope length  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (computer printouts with characters representing cells), tables, computer tape, modelling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Soils data - associations, soil character, soil wetness  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modelling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Land cover - forest land, water, cropland, pasture  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modelling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 5 years  
 CLASSIFICATION :Classification scheme developed in-house

DATA CATEGORY NAME :Land use - transportation, existing cultural land use, utility rights-of-way, incorporated towns, utilities, proximity features  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modelling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years

DATA CATEGORY NAME :Groundwater - aquifer recharge areas

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MS001-01

GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 5 years

DATA CATEGORY NAME :Surface water - location, flood limits  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Base data - section lines, sixteenth section boundaries  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Natural disasters - areas affected by spring 1979 floods, fires by type, structural fire damage  
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Primary

LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :Unknown

DOCUMENTATION :Descriptions of data structure and data types available  
 USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :7/25/83  
 PAPER FILE NUMBER :MS2-1

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CODE :MS001-02

60% of the state); soil association names are included in the cross reference for all other counties, based on information derived from a statewide river basin survey in which soil associations were mapped.

STATE :MS  
DATA BASE NAME :Soils Reference  
SUBJECT COVERAGE :Cross reference of soil name to county of occurrence  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
              MS Remote Sensing Center  
              P.O. Drawer FR  
              Mississippi State, MS 39762  
              Telephone: 601-325-2946  
OTHER CONTACTS :Karen Minchew, Research Associate  
                  Telephone: 601-325-3760

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USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :MS2-3

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
              DG ECLIPSE S/130  
RESIDENCE :Mississippi State University computer center (UNIVAC  
              1100/80); in-house (DG ECLIPSE S/130)  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RTOS  
SYSTEM CAPACITY :Main memory: 256K  
                  Disc storage: 96MB  
                  Simultaneous users supported: 2  
LANGUAGE(S) :FORTRAN  
              Assembler  
SPECIALIZED SOFTWARE :Database manipulation/display package  
                      Suitability modelling package  
PERIPHERAL DEVICES :Color image display, 2 line following digitizers,  
                      electrostatic plotter, color graphics camera

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils data -  
                      cross reference (soil name to county of occurrence),  
                      soil series, soil association  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Textual  
OUTPUT PRODUCTS :Computer tape, printouts  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :As counties are surveyed by the USDA Soil Conservation  
                      Service  
COMMENTS :Soil series names have been cross referenced for  
              counties having completed soil surveys (approximately

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MS001-02

CODE :MS001-03

STATE :MS  
DATA BASE NAME :General Climatological/Hydrologic Studies  
SUBJECT COVERAGE :Climate/weather, soils data  
GEOGRAPHIC COVERAGE :Statewide (85 stations)  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946  
OTHER CONTACTS :Karen Minchow, Research Associate  
Telephone: 601-325-3760

#### COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
DATA GENERAL ECLIPSE S/130  
RESIDENCE :Mississippi State University computer center (UNIVAC  
1100/80); in-house (DATA GENERAL ECLIPSE S/130)  
OPERATION :Interactive  
GIS-CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS  
SYSTEM CAPACITY :Main memory: 256K  
Disc storage: 96MB  
Simultaneous users supported: 2  
LANGUAGE(S) :FORTRAN  
Assembler  
SPECIALIZED SOFTWARE :Database manipulation/display package  
Suitability modelling package  
PERIPHERAL DEVICES :Color image display, 2 line following digitizers,  
electrostatic plotter, color graphics camera

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
potential evapotranspiration, actual evapotranspira-  
tion, temperature, precipitation  
GEOGRAPHIC COVERAGE :Statewide (85 stations)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific (station)  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Monthly  
COMMENTS :Data available from 1950 on

DATA CATEGORY NAME :Soils data -  
soil moisture storage, soil moisture deficit, moisture  
surplus  
GEOGRAPHIC COVERAGE :Statewide (85 stations)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific (station)  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Monthly  
COMMENTS :Data available from 1950 on

USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :MS2-4

ORIGINAL PAGE 10  
OF POOR QUALITY

MS001-03



CODE :MS001-04

STATE :MS  
DATA BASE NAME :CHOCTAW GMA  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Choctaw Wildlife Management Area  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
transportation, hydrology, burn zones (1978-1981)  
GEOGRAPHIC COVERAGE :Choctaw Wildlife Management Area

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

CODE :MS001-05

STATE :MS  
DATA BASE NAME :LEAF RIVER GMA  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Leaf River Wildlife Management Area  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
transportation, land ownership, wildlife management  
area boundary, burn zones (1975-1980), soils, surface  
water  
GEOGRAPHIC COVERAGE :Leaf River Wildlife Management Area

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

ORIGINAL PAGE IS  
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MS001-04  
MS001-05

CODE :NS001-06

STATE :MS  
DATA BASE NAME :Tallahalla Game Management Area  
DATA BASE ACRONYM :CREATURE  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Tallahalla Wildlife Management Area  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
DG ECLIPSE S/130  
RESIDENCE :In-house (DG ECLIPSE S/130); Mississippi State University (UNIVAC 1100/80)

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
wildlife management area boundary, transportation,  
surface water, township/range, soils, land cover,  
proximity to roads, Landsat MSS (3,4) classification  
for 5 May 78, proximity to streams, elevation within  
management area, land ownership, controlled burns  
(1976-1980)  
GEOGRAPHIC COVERAGE :Tallahalla Wildlife Management Area, MS

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2-6

CODE :NS001-07

STATE :MS  
DATA BASE NAME :Pearl River  
SUBJECT COVERAGE :Streams  
GEOGRAPHIC COVERAGE :Jackson, MS  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Streams -  
CCT data, hydrology, transportation, utilities  
GEOGRAPHIC COVERAGE :Jackson, MS

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

ORIGINAL PAGE 19  
OF POOR QUALITY

MS001-06  
MS001-07

CODE :MS001-08

STATE :MS  
DATA BASE NAME :BIGBEE  
SUBJECT COVERAGE :Site analysis  
GEOGRAPHIC COVERAGE :Bigbee Valley, Mississippi  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
DG ECLIPSE S/130  
RESIDENCE :In-house (Data General)  
Mississippi State University (UNIVAC)

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Site analysis -  
transportation, hydrology, topography, land cover,  
soils, proximity features  
GEOGRAPHIC COVERAGE :Bigbee Valley Mississippi (parts of Pickens, Oktib-  
beha, and Lowndes Counties)

=====

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

CODE :MS001-09

STATE :MS  
DATA BASE NAME :NOXUBEE  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Noxubee National Wildlife Refuge and MSU School Forest  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 602-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
administration/ownership zones, transportation and  
utilities, hydrology, surface geology, watersheds,  
land cover types, topography, soil associations,  
prescribed burn areas (National Noxubee Wildlife  
Refuge 1978-1982), Red-Cockaded Woodpecker Habitat  
(NNWR), coyote telemetry data and coyote home range  
(NNWR)  
GEOGRAPHIC COVERAGE :Noxubee National Wildlife Refuge and MSU School  
Forest (parts of Oktibbeha, Winston, Lowndes, and  
Noxubee Counties)

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DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

ORIGINAL PAGE IS  
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MS001-08  
MS001-09

CODE :MS001-10

STATE :MS  
DATA BASE NAME :LCSOILE and LCSOILW  
SUBJECT COVERAGE :Surface water hydrology  
GEOGRAPHIC COVERAGE :Lowndes County, MS  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -  
soils, hydrology, transportation, utilities  
objective: to supply information to model existing  
flood events  
GEOGRAPHIC COVERAGE :Lowndes County, MS

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

CODE :MS001-11

STATE :MS  
DATA BASE NAME :CORRIDOR  
SUBJECT COVERAGE :Site analysis surrounding proposed propane route  
GEOGRAPHIC COVERAGE :Areas along proposed route in Forrest and Jones Counties  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Site analysis -  
transportation network, topography, land cover,  
proximity features  
GEOGRAPHIC COVERAGE :Surrounding areas along proposed propane pipeline  
route in Forrest and Jones Counties, MS  
UPDATE FREQUENCY :Last update: 1982

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

ORIGINAL PAGE IS  
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MS001-10  
MS001-11

CODE :MS001-12

STATE :MS  
DATA BASE NAME :BRIDGE  
SUBJECT COVERAGE :Site analysis for proposed highway relocation  
GEOGRAPHIC COVERAGE :Along proposed route near Tremont, MS  
AGENCY :MS Remote Sensing Center  
RESPONDENT :W. Frank Miller, Director  
MS Remote Sensing Center  
P.O. Drawer FR  
Mississippi State, MS 39762  
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80  
RESIDENCE :Mississippi State University

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Site analysis -  
surface water, cultural features, transportation,  
land cover, elevation, soils, forest stand compos-  
ition, proximity features  
GEOGRAPHIC COVERAGE :Proposed relocation route for U.S. Highway 78 near  
Tremont, MS  
UPDATE FREQUENCY :Project done in 1979

=====

DATE OF INFORMATION :2/14/83  
PAPER FILE NUMBER :MS2

ORIGINAL PAGE IS  
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CODE :MS002-01

STATE :MS  
DATA BASE NAME :MS Automated Resource Information System  
DATA BASE ACRONYM :MARIS  
SUBJECT COVERAGE :Natural resources data (comprehensive)  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Sixteen Mississippi state agencies coordinate technical aspects of MARIS system development and set MARIS policy. These are:  
Central Data Processing Agency  
Department of Agriculture and Commerce  
Department of Archives and History  
Department of Economic Development  
Department of Energy and Transportation  
Department of Natural Resources  
Department of Wildlife Conservation  
Governor's Office of Planning & Policy  
Mississippi State Board of Health  
Mississippi Emergency Management Agency  
Mississippi Forestry Commission  
Mississippi Highway Department  
Mississippi Oil and Gas Board  
Mississippi Remote Sensing Center  
Mississippi Research and Development Center  
Public Service Commission

This consortium has defined two functional areas for MARIS: a data sharing, or catalog function, and an analytic function. Under the data sharing function, MARIS staff compiled descriptions of all natural resources data in their possession. These data descriptions have been placed in a catalog that is currently being converted to an automated format (see attached summary of file names, by agency).

The analytic function of MARIS is intended to assist persons involved with resource planning activities in conducting an analysis and evaluation of their problems and management alternatives. One facet of the current MARIS establishment is the state data base, an automated geographic information system in which data have been entered using 62.5-acre cells (refer to Code: MS002-02 for details). In addition to the statewide data base, MARIS has also developed data bases for local areas of the state.

AGENCY :MS Research & Development Center  
RESPONDENT :Paul Edward Downing, Manager  
Geographic Information Systems Division  
MS Research & Development Center  
3825 Ridgewood Road  
P.O. Drawer 2470  
Jackson, MS 39205  
Telephone: 601-982-6606

#### COMPUTER FACILITIES

COMPUTER(S)	:ERDAS
RESIDENCE	:In-house
OPERATION	:Interactive
GIS CAPABILITY	:Yes

#### IN-HOUSE FACILITIES

##### PERIPHERAL DEVICES

:High resolution color graphics display with interactive cursor capabilities, two green screen CRT terminals, dot matrix printer, digitizing table, color camera

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DOCUMENTATION	:Mississippi Automated Resource Information System Data Catalog (September 1982); MARIS Newsletter
DATE OF INFORMATION	:12/29/82
PAPER FILE NUMBER	:MS1-a

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MS002-01

# MARS DATA FILE NAMES BY AGENCY

## Automated System Number

### Automated System Number

#### Mississippi Crop and Livestock Reporting Service (MCLRS)

03-01-01-000-0050 Catfish Inventory and Production Data  
03-01-02-000-0010 Cattle Inventory  
03-01-02-000-0020 Cattle Slaughter Data  
03-01-02-000-0030 Cattle: In and Out Shipments  
03-01-02-000-0040 Milk Production  
03-01-02-000-0050 Hog Inventory  
03-01-02-000-0060 Hog Slaughter Data  
03-01-02-000-0070 Poultry Production Data  
03-01-02-000-0080 Bee Colony and Honey Production Data  
03-02-00-000-0110 Acreage and Production Reports-Major State Crops  
03-02-00-000-0120 Major Crop Stocks  
03-04-00-000-0010 Weather-Crop Report (Also 02-01-00-000-0200)  
03-04-00-000-0090 Cash Receipts-Agricultural Products  
03-04-00-000-0100 Prices Paid and Received for Agricultural Crops

#### Mississippi Department of Agriculture and Commerce (MDAC)

03-04-00-000-0020 Livestock Market News  
03-04-00-000-0030 Aquatic Market News  
03-04-00-000-0040 Poultry and Egg Market News  
03-04-00-000-0050 Grain Market News  
03-04-00-000-0060 Feedstuffs Market News  
03-04-00-000-0070 Rice Market News  
03-04-00-000-0080 Watermelon Report  
03-04-00-000-0110 Grain Warehouse Law  
03-04-00-000-0120 Grain Dealer Law  
03-04-00-000-0130 Food Inspector Reports  
03-04-00-000-0140 Scale Reports

Source: Mississippi Automated Resource Information System Data Catalog. Mississippi Research and Development Center. September, 1982.

#### Mississippi Department of Archives and History (MDAH)

07-01-00-000-0010 Architectural Resource Maps  
07-01-00-000-0020 Architectural Resources Survey Data  
07-01-00-000-0030 National Register of Historic Places  
07-02-00-000-0010 Archaeological Sites: Survey Maps  
07-02-00-000-0020 Archaeological Sites: Survey Reports  
07-02-00-000-0030 Archaeological Sites: National Register of Historic Places  
07-02-00-000-0040 Archaeological Sites: Site Cards  
07-02-00-000-0050 Archaeological Sites: Excavation Reports

#### Mississippi Department of Energy and Transportation (MDET)

01-00-00-000-0060 U.S. Energy Information Administration (EIA) Data Base  
02-01-00-000-0170 U.S. Weather Zone Map  
02-01-00-000-0180 Heating Degree Days; Heating Season  
06-05-00-000-0010 DOE Energy Information Index

#### Mississippi Department of Natural Resources (MDNR)

01-00-00-000-0110 National Weather Service Data Base  
01-00-00-000-0120 Water Resources Scientific Information Center  
01-00-00-000-0180 Ambient Air Quality Standards  
01-00-00-000-0190 Diversion of Surface Waters  
01-00-00-000-0200 Well Logs  
01-00-00-000-0210 Dam Inventory  
02-01-00-000-0020 Hourly Precipitation (Bureau of Pollution Control)  
02-01-00-000-0030 Daily Precipitation (Land and Water)  
02-01-00-000-0040 Daily Temperature (Land and Water)  
02-01-00-000-0050 Daily Evaporation Data (Land and Water)  
02-01-00-000-0070 Wind Movement Data (Land and Water)  
02-01-00-000-0080 Hourly Wind Movement (Bureau of Pollution Control)  
02-01-00-000-0110 Solar Radiation (Land and Water)  
02-02-00-000-0020 Hourly Air Quality Monitoring Data (Bureau of Pollution Control)  
02-03-00-000-0020 Intermittent Emissions Inventories (Bureau of Pollution Control)

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System Number

Mississippi Department of Natural Resources (Continued)

02-03-00-000-0030	Emissions Permits (Bureau of Pollution Control)
02-03-00-000-0040	Emissions Surveillance Data (Bureau of Pollution Control)
03-04-00-000-0190	Irrigation Requirements (Land and Water)
04-01-00-000-0020	Streamflow Discharge (Land and Water)
04-01-00-000-0090	Flood-Prone Area Maps (Bureau of Geology)
04-01-00-000-0150	Beach Sampling Program Data (Bureau of Pollution Control)
04-01-00-000-0200	Streamflow Quality (Land and Water)
04-01-00-000-0210	Intensive Stream Survey Data (Bureau of Pollution Control)
04-01-00-000-0220	Ambient Stream Monitoring Program Data (Bureau of Pollution Control)
04-01-00-000-0230	Sediment Data (Land and Water)
04-02-00-000-0010	Groundwater Mapping (Land and Water)
04-02-00-000-0020	Water Levels (Land and Water)
04-02-00-000-0070	Water Quality Data (Land and Water)
04-02-00-000-0080	Water Well Drillers' Logs (Land and Water)
04-02-00-000-0090	Water Well Electric Logs (Land and Water)
04-03-00-000-0010	Water Pollution Research Data (Bureau of Pollution Control)
04-03-00-000-0020	Diversions from Surface Sources (Land and Water)
04-03-00-000-0100	Pumping Tests (Land and Water)
04-03-00-000-0140	Impounding Structures (Land and Water)
04-03-00-000-0150	Reservoir Contents (Land and Water)
04-03-00-000-0180	Well Drillers' Licensing (Land and Water)
04-03-00-000-0190	Well Drillers' Logs (Land and Water)
04-03-00-000-0200	Water Resources Literature (Land and Water)
05-01-00-000-0010	Topographic Maps (Bureau of Geology)
05-01-00-000-0020	Published Geologic Maps (Bureau of Geology)
05-01-00-000-0050	Remote Sensing Imagery-Bureau of Geology (Bureau of Geology)
05-01-00-000-0100	Soil Characteristics (Land and Water)
05-01-00-000-0130	Soil Maps (Bureau of Geology)
05-01-00-000-0140	Published Geologic Data (Bureau of Geology)
05-01-00-000-0160	Paleontologic Data (Bureau of Geology)
05-02-00-000-0020	Scout Card File (Bureau of Geology)
05-02-00-000-0030	Geophysical Logs-Oil and Gas Tests

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System Number

Mississippi Department of Natural Resources (Continued)

05-02-00-000-0040	Geophysical Logs-Water Wells and Test Holes (BOG)
05-02-00-000-0050	Sample Logs-Oil and Gas Tests (BOG)
05-02-00-000-0060	Sample Logs-Water Wells and Test Holes (BOG)
05-02-00-000-0070	Subsurface Geologic Mapping (Land and Water)
05-02-00-000-0090	Core Samples-Oil and Gas Tests (BOG)
05-02-00-000-0100	Core Samples-Water Wells and Test Holes (BOG)
05-02-00-000-0110	Cutting Samples-Oil and Gas Tests (BOG)
05-02-00-000-0120	Cutting Samples-Water Wells and Test Holes (BOG)
05-02-00-000-0130	Geologic Charts and Cross Sections (BOG)
05-03-00-000-0010	Waste Disposal Site Investigation Reports (BOG)
05-03-00-000-0070	Analyses of Economic Minerals (BOG)
05-03-00-000-0090	Mineral Lease Division Files (BOG)
05-03-00-000-0100	Inventory of Mines and Surface-Mined Land (BOG)
05-03-00-000-0110	Mining Companies and Permitted/Exempt Mines (BOG)
05-03-00-000-0140	Oil Field Records (Land and Water)

Mississippi Department of Wildlife Conservation (MWHC)

02-01-00-000-0060	Selected Wind Movement Data (BMR)
02-02-00-000-0010	Selected Air Quality Data (BMR)
03-01-01-000-0010	Bay and Estuarine Life Data (BMR)
03-01-01-000-0020	Fish Stocking Records (Fisheries)
03-01-01-000-0030	Fish Population Surveys (Fisheries)
03-01-01-000-0040	Fish Stocking-Coastal Areas (BMR)
03-01-01-000-0060	Species Inventory-Coastal Areas (BMR)
03-01-01-000-0070	Endangered Species Inventory and Survey-Aquatic (MNS)
03-01-01-000-0080	Rare Nongame Species Inventory and Survey-Aquatic (MNS)
03-01-01-000-0090	Nongame Species Collections-Aquatic (MNS)
03-01-01-000-0100	Game Species Collections-Aquatic (MNS)
03-01-01-000-0110	Fish Life Histories-Coastal Species (BMR)
03-01-01-000-0120	Saltwater Fishery Surveys (BMR)
03-01-01-000-0140	Coastal Fish Habitat Surveys (BMR)
03-01-01-000-0160	Fish Landings Data Collection-Saltwater Fisheries (BMR)

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Mississippi Department of Wildlife Conservation (Continued)

03-01-01-000-0170	Coastal Waters Resource Management Research Data (BMR)
03-01-02-000-0120	Aerial Waterfowl Surveys (Game)
03-01-02-000-0130	Shore and Wading Birds-Coastal Areas (BMR)
03-01-02-000-0140	Coastal Waters Animal Research Data (BMR)
03-01-02-000-0150	Endangered Species Inventory and Survey-Terrestrial (MNS)
03-01-02-000-0160	Rare Nongame Species Inventory and Survey-Terrestrial (MNS)
03-01-02-000-0170	Nongame Species Collections-Terrestrial (MNS)
03-01-02-000-0180	Game Species Collections-Terrestrial (MNS)
03-01-02-000-0190	Deer Weight, Antler, and Age Data (Game)
03-02-00-000-0030	Vegetative Studies-Selected Areas, Three Coastal Counties (BMR)
03-02-00-000-0040	Coastal Waters Plant Research (BMR)
03-02-00-000-0050	Endangered Species Inventory and Survey-Plants (MNS)
03-02-00-000-0060	Rare Species Inventory and Survey-Plants (MNS)
03-02-00-000-0070	Plant Community Inventory and Survey (MNS)
03-02-00-000-0100	Bay and Estuarine Plant Surveys (BMR)
03-02-00-000-0140	Native Plant Collections (MNS)
03-03-00-000-0010	Microorganic Bay and Estuary Life (BMR)
03-03-00-000-0020	Bacteriology Studies-Coastal Areas (BMR)
03-03-00-000-0030	Research on Microorganisms of Coastal Waters (BMR)
03-04-00-000-0170	Location of Shooting Reserves
03-04-00-000-0180	Wildlife Management Areas-Hunter Kill and Effort (Game)
03-04-00-000-0200	Fishermen Surveys (Fisheries)
03-04-00-000-0210	Seafood Licensing Documentation (BMR)
03-04-00-000-0220	Oyster Leasing, Relaying, and Depuration Activities (BMR)
03-04-00-000-0230	Seafood Processing Research Data (BMR)
03-04-00-000-0240	Aquaculture Enhancement Data (BMR)
03-04-00-000-0250	Game Harvest and Hunter Effort Data (Game)
03-04-00-000-0260	Survey Hunter Mailing List (Game)
03-04-00-000-0270	Furbearer Harvest and Trapper Effort Data (Game)
03-04-00-000-0280	Survey Trapper Mailing List (Game)
03-04-00-000-0290	Deer and Turkey Harvest Data (Game)
03-04-00-000-0300	List of Deer Camps in Mississippi (Game)

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Mississippi Department of Wildlife Conservation (Continued)

03-04-00-000-0310	Road Kill Survey (Game)
03-04-00-000-0320	Hunting Fatalities and Accidents (Hunter Safety)
03-04-00-000-0330	Boating Fatalities and Accidents (Hunter Safety)
03-04-00-000-0340	Students Certified in Hunter and Boating Safety Education (Hunter Safety)
03-04-00-000-0350	Instructors Certified in Hunter and Boating Safety Education (Hunter Safety)
03-04-00-000-0360	Number of Cases Made by the Department of Wildlife Conservation and Area of Patrolling (Law Enforcement)
03-04-00-000-0370	Wildlife Conservation Employees-Name and Address Listing (Accounting)
03-04-00-000-0380	Hunting and Fishing License Dealers
03-04-00-000-0390	Mississippi Sportsman License Holders
03-04-00-000-0400	Resident and Nonresident Hunting and Fishing License Holders
03-04-00-000-0410	Commercial Fishermen Listing
03-04-00-000-0420	Resident and Nonresident Fur Dealers
03-04-00-000-0430	Commercial Quail Breeders
03-04-00-000-0440	Dog Trainer Permit Holders
03-04-00-000-0450	Summary of Hunting and Fishing License Sales
03-04-00-000-0460	DWC Magazine Mailing List
03-04-00-000-0470	DWC Media List
03-04-00-000-0480	List of Scientific Collection Permit Holders
03-04-00-000-0490	Wetland Permits (BMR)
03-04-00-000-0500	Wetland Regulations (BMR)
03-04-00-000-0510	Wetland Resource Management (BMR)
03-04-00-000-0520	Bay and Estuary Resource Management (BMR)
04-01-00-000-0010	Coastal Stream Discharge (BMR)
04-01-00-000-0100	Coastal High Water Data (BMR)
04-01-00-000-0110	Channel Characteristics-Coastal Areas (BMR)
04-01-00-000-0120	Coastal Boundary Surveys (BMR)
04-01-00-000-0130	Nautical Charts (BMR)
04-01-00-000-0140	Selected Water Quality Data (Fisheries)

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System Number

Mississippi Department of Wildlife Conservation (Continued)

04-01-00-000-0160 Bay and Estuarine Water Quality (BMR)  
04-01-00-000-0170 Water Quality and Biological Productivity Research Data (BMR)  
04-01-00-000-0240 Sediment Studies in the Mississippi Sound (BMR)  
04-01-00-000-0250 Tide Data (BMR)  
04-01-00-000-0270 Undisturbed Segments-Natural, Free-Flowing Streams (MNS)  
04-01-00-000-0280 Spawning, Feeding, and Nesting Water Areas (MNS)  
04-01-00-000-0290 Reefs and Marine Grass Beds (MNS)  
04-02-00-000-0040 Saturated Thickness Map (BMR)  
04-03-00-000-0080 Coastal Area Navigation Projects-Plans and Impacts (BMR)  
04-03-00-000-0090 Coastal Area Facilities and Structures-Plans and Impacts (BMR)  
04-03-00-000-0160 Environmental Disturbances Research Data (BMR)  
04-03-00-000-0220 Boat Owners (Boat Registration)  
04-03-00-000-0230 Boat Information (Boat Registration)  
04-03-00-000-0240 Registered Boats by County and Length (Boat Registration)  
05-01-00-000-0030 Geologic Mapping of Coastal Counties and Mississippi Sound (BMR)  
05-01-00-000-0070 Aerial Photographs with Geology-Coastal Areas  
05-01-00-000-0160 Fossil Inventory (MNS)  
05-01-00-000-0170 Cave Inventory (MNS)  
05-01-00-000-0180 Geologic Type Localities (MNS)  
05-03-00-000-0080 Coastal Mineral Leases (BMR)  
05-03-00-000-0120 Coastal Oil and Gas Production (BMR)  
05-03-00-000-0130 Coastal Mineral Resources-Exploration, Development, and Production (BMR)  
05-03-00-000-0150 Oil Spills (BMR)

Mississippi Emergency Management Agency (MEMA)

02-01-00-000-0010 Climatological Data  
02-01-00-000-0090 Storm Data  
06-06-00-000-0010 Disaster Assistance Data

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System Number

Mississippi Forestry Commission (MFC)

02-01-00-000-0100 Fire Danger Assessments: Daily Precipitation and Wind Speed  
03-02-00-000-0010 Tree Species/Forest Management and Production Studies  
03-02-00-000-0090 Forest Insect and Disease Control Studies

Mississippi Public Service Commission (MPSC)

04-03-00-000-0070 Water Utility Maps  
05-03-00-000-0160 Utility Maps-Telephone, Gas, and Electric

Mississippi Remote Sensing Center (MRSC)

01-00-00-000-0020 EROS Data Center-Aerial Mapping Photography  
01-00-00-000-0030 EROS Data Center-NASA Aircraft Photography  
01-00-00-000-0040 EROS Data Center-LANDSAT Standard Products  
01-00-00-000-0070 Agricultural Stabilization and Conservation Service (ASCS) Photography  
01-00-00-000-0080 U.S. Geological Survey (USGS) Digital Terrain Tapes  
01-00-00-000-0110 National Weather Service Data Base  
01-00-00-000-0150 Multivariable Data Base  
01-00-00-000-0160 Daily Water Balance  
01-00-00-000-0170 Monthly Water Balance  
01-00-00-000-0230 Soils Reference  
02-01-00-000-0100 Pearl River Flood Study: Precipitation and Temperature Data  
02-01-00-000-0130 Monthly Water Balance-Potential Evapotranspiration, Surplus and Deficit  
02-01-00-000-0140 General Climatologic/Hydrologic Studies: Precipitation, Temperature, and Water Balance Data  
02-01-00-000-0150 Monthly Water Balance  
02-01-00-000-0160 Daily Water Balance  
03-02-00-000-0020 Studies of the Effect of Climate on Forest Productivity  
04-03-00-000-0120 Aerial Imagery, Tennessee-Tombigbee Corridor-Various Formats  
04-03-00-000-0130 Aerial Imagery-Oktatibbee Reservoir  
05-01-00-000-0190 Multivariable Data Base  
05-03-00-000-0200 Land Use Planning Studies: Tennessee-Tombigbee Waterway

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Automated  
System Number

Mississippi Research and Development Center (MRDC)

01-00-00-000-0016 Mississippi Automated Resource Information System  
01-00-00-000-0020 EROS Data Center-Aerial Mapping Photography  
01-00-00-000-0030 EROS Data Center-NASA Aircraft Photography  
01-00-00-000-0040 EROS Data Center-LANDSAT Standard Products  
01-00-00-000-0050 EROS Data Center-Manned Space Craft Photography  
01-00-00-000-0070 Agricultural Stabilization and Conservation Service (ASCS) Photography  
01-00-00-000-0090 National Cartographic Information Center (NCIC)  
01-00-00-000-0100 National Archives Historic Aerial Photography  
01-00-00-000-0140 Land Resource Inventory  
01-00-00-000-0240 County Data Bank  
02-03-00-000-0010 Selected Noise Hazard Area Data  
03-01-01-000-0150 Endangered Species Habitats-Aquatic  
03-01-02-000-0200 Endangered Species Habitats-Terrestrial  
03-02-00-000-0080 Endangered Species Habitats-Plants  
03-02-00-000-0150 Vegetative Land Cover/Use  
03-04-00-000-0530 Prime Agricultural Lands  
03-04-00-000-0540 Land Use of Prime and Unique Agricultural Lands  
04-01-00-000-0030 Areas Subject to Drainage Hazard  
04-01-00-000-0040 Estimated Average Annual Gross Erosion and Sediment Yield  
04-01-00-000-0050 Erosion Damages  
04-01-00-000-0060 Gully, Streambank, Roadbank, and Surface Mine Erosion  
04-01-00-000-0070 Flood Hazard Zones  
04-01-00-000-0080 Soil Associations Susceptible to Flooding  
04-01-00-000-0260 Stream Inventory  
04-01-00-000-0300 Hydrologic Units  
04-02-00-000-0030 Depth to Water Table-Selected Areas  
04-03-00-000-0030 Water and Sewer Districts  
04-03-00-000-0040 Sewer and Water Line Pipe Sizes-Ocean Springs  
04-03-00-000-0110 Private Well Locations-Pike County  
04-03-00-000-0170 Undeveloped Residential Acreage and Estimated Sheet Erosion  
04-03-00-000-0210 Land Use by Hydrologic Unit

Automated  
System Number

Mississippi Research and Development Center (Continued)

05-01-00-000-0120 SCS Parish Soil Survey Reports  
05-02-00-000-0140 Geologic Structure of Selected Areas  
06-01-00-000-0010 County Data Bank  
06-02-00-000-0010 Industrial Site Files  
06-03-00-000-0010 Community Data Files  
06-04-00-000-0010 Quick Reference Data Summaries for State SMSA's

Mississippi State Board of Health (MSBH)

01-00-00-000-0130 Model State Information System  
02-02-00-000-0030 Air Quality-Radiation Levels  
02-03-00-000-0050 Emissions Surveillance-Grand Gulf Nuclear Power Plant  
03-01-01-000-0130 Gamma Isotopic Analysis of Fish Samples  
03-01-02-000-0090 Gamma Isotopic Analysis of Meat Samples from Game/Sport Animals  
03-01-02-000-0100 Gamma Isotopic Analysis of Meat from Different Beef Herds  
03-01-02-000-0110 Radiological Analysis of Milk Samples from Different Dairy Herds  
03-02-00-000-0130 Gamma Isotopic Analysis of Edible Plants  
04-01-00-000-0180 Radiation Levels in Surface Waters  
04-01-00-000-0190 Quality of Surface Waters Used for Public Water Supplies  
04-02-00-000-0050 Radiation Levels of Subsurface Water  
04-02-00-000-0060 Quality of Groundwater Used for Public Water Supplies  
05-01-00-000-0090 Radiological Characteristics of Surface Soil Samples  
05-02-00-000-0150 Radiological Characteristics of Stratigraphic Sections

Mississippi State Highway Department (MSHD)

01-00-00-000-0220 Road and Street Inventory  
03-04-00-000-0150 Seed Law Regulations  
03-04-00-000-0160 Seed Testing and Certification  
05-01-00-000-0040 Geologic Surface Mapping  
05-01-00-000-0060 Aerial Photographs with Geology  
05-01-00-000-0110 Soil Characteristics and Maps  
05-01-00-000-0150 Borrow Pit Material  
05-02-00-000-0010 Drillers' Logs-Selected Sites

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Automated  
System Number

Mississippi State Highway Department (Continued)

05-02-00-000-0080	Core Data-Selected Sites
05-03-00-000-0020	Highway Research-Active Clays as Related to Highway Design
05-03-00-000-0030	Highway Research-Evaluation of Pile Bearing Capacity
05-03-00-000-0040	Highway Research-Materials Testing
05-03-00-000-0050	Official State Highway Map for Tourists
05-03-00-000-0060	Comprehensive State Road Inventory

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CODE :MS002-02

STATE :MS  
 DATA BASE NAME :MS State Data Base  
 SUBJECT COVERAGE :Land resources inventory, wildlife, vegetation, agriculture, environmental quality, surface water hydrology, erosion, flooding, streams, base data, land use/land cover, soils data, topography  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The MS State Data Base is an automated geographic information system in which data have been entered using 62.5-acre cells. This data base is part of the MS Automated Resource Information System (see Code MS002-01).  
 AGENCY RESPONDENT :MS Research & Development Center  
 :Paul Edward Downing, Manager  
 Geographic Information Systems Division  
 MS Research & Development Center  
 3825 Ridgewood Road  
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 Jackson, MS 39205  
 Telephone: 601-982-6606

#### COMPUTER FACILITIES

COMPUTER(S) :EPD4S  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :High resolution color graphics display with interactive cursor capabilities, two green screen CRT terminals, dot matrix printer, digitizing table, color camera

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land resources inventory - contains up to 51 categories of physical and cultural land uses  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :62-acre minimum mapping unit  
 DATA STORAGE FORMAT :Cartographic and machine  
 UPDATE FREQUENCY :One time (period of record: 1972-1975)  
 COMMENTS :This file consists of 1400 photo-based township maps, at a scale of 1" = 2,000'. Data on the maps were transferred into the MARIS geographic information system.  
 MARIS Automated System Number: 01-00-00-000-0140

DATA CATEGORY NAME :Environmental quality - noise hazard areas, primarily related to transportation  
 GEOGRAPHIC COVERAGE :Various counties statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Maps, machine  
 UPDATE FREQUENCY :One time (period of record: 1978)  
 COMMENTS :MARIS Automated System Number: 02-03-00-000-0010

DATA CATEGORY NAME :Wildlife - endangered species habitat  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :62 acres  
 DATA STORAGE FORMAT :Maps, machine  
 COMMENTS :Automated System Number: 03-01-01-000-0150

DATA CATEGORY NAME :Wildlife - endangered species habitat - terrestrial  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :62 acres  
 DATA STORAGE FORMAT :Maps, machine  
 UPDATE FREQUENCY :Intermittent  
 COMMENTS :MARIS Automated System Number: 03-01-02-000-0200

DATA CATEGORY NAME :Vegetation - endangered species habitat  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :62 acres  
 DATA STORAGE FORMAT :Maps, machine  
 UPDATE FREQUENCY :Intermittent  
 COMMENTS :MARIS Automated System Number: 03-02-00-000-0080

DATA CATEGORY NAME :Land use/land cover - vegetative  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :62 acres  
 DATA STORAGE FORMAT :Maps, machine  
 UPDATE FREQUENCY :One time (period of record: 1973)  
 CLASSIFICATION :USGS Level III  
 COMMENTS :Maps are in the form of 1:24,000 township maps.  
 MARIS Automated System Number: 03-02-00-000-0150

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 OF POOR QUALITY

MS002-02

DATA CATEGORY NAME :Agriculture -  
prime agricultural lands  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :62 acres  
DATA STORAGE FORMAT :Maps, machine  
UPDATE FREQUENCY :One time  
COMMENTS :MARIS Automated System Number: 03-04-00-000-0530

DATA CATEGORY NAME :Environmental quality -  
areas subject to drainage hazards  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :62 acres  
DATA STORAGE FORMAT :Machine and unpublished text  
UPDATE FREQUENCY :One time  
COMMENTS :MARIS Automated System Number: 04-01-00-000-0030

DATA CATEGORY NAME :Surface water hydrology -  
estimated average annual gross erosion and sediment  
yield  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :Hydrologic unit  
DATA STORAGE FORMAT :Machine and unpublished text  
UPDATE FREQUENCY :One time (period of record: 1973)  
COMMENTS :MARIS Automated System Number: 04-01-00-000-0040

DATA CATEGORY NAME :Erosion -  
damages  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :Hydrologic unit  
DATA STORAGE FORMAT :Machine and unpublished text  
UPDATE FREQUENCY :Intermittent (period of record: 1973)  
COMMENTS :MARIS Automated System Number: 04-01-00-000-0050

DATA CATEGORY NAME :Erosion -  
gully, streambank, roadbank, and surface mine erosion  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :Hydrologic unit  
DATA STORAGE FORMAT :Machine and unpublished text

UPDATE FREQUENCY  
COMMENTS

:Intermittent (period of record: 1973)  
:MARIS Automated System Number: 04-01-00-000-0060

DATA CATEGORY NAME  
GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
UPDATE FREQUENCY  
COMMENTS

:Flooding -  
flood hazard zones  
:Most counties statewide  
:Universal Transverse Mercator  
:62 acres  
:Maps, machine  
:One time (period of record: 1982)  
:Delineations based on HUD Flood Hazard Boundary Maps;  
100-year flood  
MARIS Automated System Number: 04-01-00-000-0070

DATA CATEGORY NAME  
GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
DATA SOURCES  
UPDATE FREQUENCY  
COMMENTS

:Soils data -  
soil associations susceptible to flooding  
:Statewide  
:Universal Transverse Mercator  
:62 acres  
:Machine and unpublished text  
:Secondary  
:One time  
:MARIS Automated System Number: 04-01-00-000-0080

DATA CATEGORY NAME  
GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
UPDATE FREQUENCY  
COMMENTS

:Streams -  
stream inventory  
:Statewide  
:Universal Transverse Mercator  
:Hydrologic unit  
:Maps, machine  
:One time  
:MARIS Automated System Number: 04-01-00-000-0260

DATA CATEGORY NAME  
GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
UPDATE FREQUENCY  
COMMENTS

:Base data -  
hydrologic units  
:Statewide  
:Universal Transverse Mercator  
:62 acres  
:Maps, machine  
:One time  
:MARIS Automated System Number: 04-01-00-000-0300

DATA CATEGORY NAME

:Base data -  
water and sewer districts

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GEOGRAPHIC COVERAGE :Various counties statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :62 acres  
 DATA STORAGE FORMAT :Machine, maps  
 UPDATE FREQUENCY :Intermittent (period of record: 1979)  
 COMMENTS :NARS Automated System Number: 04-03-00-000-0030

CODE :MS003-01

DATA CATEGORY NAME :Land use  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :Hydrologic unit  
 DATA STORAGE FORMAT :Machine  
 UPDATE FREQUENCY :Intermittent (period of record: 1973)  
 COMMENTS :NARS Automated System Number: 04-03-00-000-0210

DATA CATEGORY NAME :Soils data -  
 soil series and associations, K-factors, shrink-swell  
 potential, permeability, corrosiveness on concrete  
 factor, erosion hazard  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :500m x 500m cells  
 DATA STORAGE FORMAT :Maps, machine, published text  
 UPDATE FREQUENCY :Intermittent  
 COMMENTS :NARS Automated System Number: 05-01-00-000-0210

DATA CATEGORY NAME :Topography  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :500m x 500m cells  
 DATA STORAGE FORMAT :Maps, machine, published text  
 UPDATE FREQUENCY :Intermittent  
 COMMENTS :NARS Automated System Number: 05-01-00-000-0210

DOCUMENTATION :Mississippi Automated Resource Information System Data  
 Catalog (September 1982); NARS Newsletter  
 DATE OF INFORMATION :12/29/82  
 PAPER FILE NUMBER :MS1-b

STATE :MS  
 DATA BASE NAME :MS State Heritage Program  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This program was undertaken as a cooperative effort be-  
 tween the State of Mississippi and The Nature Conser-  
 vancy, a national nonprofit conservation organization.  
 The prototype data base was developed by the Mississippi  
 Remote Sensing Center.  
 AGENCY :MS State Heritage Program  
 RESPONDENT :Ken Gordon, Coordinator/Botanist/Wildlife Biologist  
 MS State Heritage Program  
 111 N. Jefferson Street  
 Jackson, MS 39202  
 Telephone: 601-354-7226  
 OTHER CONTACTS :Shellie Gareau, Procedures Specialist  
 The Nature Conservancy  
 1800 North Kent Street  
 Arlington, VA 22209  
 Telephone: 703-841-5300

#### COMPUTER FACILITIES

COMPUTER(S) :IDB

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
 ecological values (plant and animal species, plant  
 communities, aquatic systems, critical habitats and  
 other natural features) of particular interest because  
 they are exemplary, rare, or endangered at the state  
 or national level  
 GEOGRAPHIC COVERAGE :Statewide; initial work focused on the Lignite Belt  
 (northern and east central Mississippi)

DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter avail-  
 able through The Nature Conservancy, Arlington, VA)  
 DATE OF INFORMATION :1/21/83  
 PAPER FILE NUMBER :MS3

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MS002-02  
 (cont.)  
 MS003-01

CODE :MT001-01

STATE :MT  
DATA BASE NAME :MT Trust Lands Inventory  
SUBJECT COVERAGE :State lands  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MT Department of State Lands  
RESPONDENT :Leslie J. Simkins, Systems Analyst  
MT Department of State Lands  
1625 Eleventh Avenue  
Helena, MT 59620  
Telephone: 406-449-2711

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033N  
RESIDENCE :MT Department of Administration - Computer Services  
Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :State lands -  
section/township/range, trust ownership, subsurface  
acreage, surface acreage, county  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
MINIMUM RESOLUTION :By township  
COMMENTS :Data base initiated in 1982

DATE OF INFORMATION :8/2/83  
PAPER FILE NUMBER :MT5

ORIGINAL PAGE 13  
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MT001-01



CODE :MT002-01

STATE :MT  
DATA BASE NAME :Census and Economic Information Center  
DATA BASE ACRONYM :CEIC  
SUBJECT COVERAGE :Demography  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MT Department of Commerce  
RESPONDENT :Patricia A.B. Roberts, Program Manager  
MT Department of Commerce  
1424 9th Avenue  
Helena, MT 59620  
Telephone: 406-449-2896  
OTHER CONTACTS :John Balsam, Research Specialist  
:Leo LaSalle, Programmer Analyst  
Telephone: 406-449-3707

DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Updated irregularly when data become available

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USER FEES POLICY :Generally charge only for custom computer tabulations,  
40-plus pages photocopying and more than one copy of  
any given publication  
DATE OF INFORMATION :8/15/83  
PAPER FILE NUMBER :MT6

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
CORONA PC-11B  
RESIDENCE :MT Department of Administration - Computer Services  
Division (IBM 3033); in-house (CORONA PC-11B)  
OPERATION :Batch and interactive

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
populations, economic aspects, Mass Model (economic-  
demographic model)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
SMSA  
Various census geographic boundaries  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, graphics, computer tape, statistical summaries  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Varies from quarterly to every 10 years  
CONFIDENTIALITY :2-digit DEA data and Labor's 202 File are subject to  
restricted access

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DATA CATEGORY NAME :Demography -  
populations, economic aspects, Montana County Profiles  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
MINIMUM RESOLUTION :County

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MT002-01

CODE :MT003-01

PROJECT NAME :MT  
SUBJECT COVERAGE :MT Water Quality Records System  
GEOGRAPHIC COVERAGE :Groundwater, surface water, environmental quality  
AGENCY :Statewide  
RESPONDENT :MT Department of Health and Environmental Sciences  
:John Jarvie, Environmental Specialist  
Water Quality Bureau  
MT Department of Health and Environmental Sciences  
Cogswell Building, Lockey Street  
Helena, MT 59620  
Telephone: 406-449-2406

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033N  
RESIDENCE :MT Department of Administration - Computer Services  
Division  
OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminal, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
quality, well location, water use, depth  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
By county  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, composite mapping  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Monthly (irregularly)

DATA CATEGORY NAME :Surface water -  
quality, water body type, water use, biological data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
By county  
By drainage basin  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, composite mapping  
DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :Monthly (irregularly)  
COMMENTS :Most of the surface water data are routinely supplied  
to EPA/STORET

DATA CATEGORY NAME :Environmental quality -  
Montana Pollution Discharge Elimination System (MPDES)  
Number, point pollution  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, composite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Monthly (irregularly)

DOCUMENTATION :Description of data encoding format/procedure available  
USER FEES POLICY :Fees charged for products only  
DATE OF INFORMATION :7/15/83  
PAPER FILE NUMBER :MT10

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MT003-01

CODE :MT004-01

CLASSIFICATION

:Greater than 50 acre-feet  
Greater than 25 feet high

STATE :MT  
DATA BASE NAME :MONTAN DAM  
SUBJECT COVERAGE :Information on dams  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MT Department of Natural Resources and Conservation  
RESPONDENT :Art Taylor, Dam Safety Engineer  
MT Department of Natural Resources and Conservation  
32 South Ewing  
Helena, MT 59620  
Telephone: 406-449-2864  
OTHER CONTACTS :George Cawfield, Chief, Data Processing Bureau  
Telephone: 406-449-3647

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USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :7/15/83  
PAPER FILE NUMBER :MT12

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033H  
RESIDENCE :Department of Administration, Computer Services  
Division

IN-HOUSE FACILITIES

OPERATING SYSTEM :OS/MVS  
SYSTEM CAPACITY :Main memory: 12 MB  
Disc storage: 100-300 MB  
Simultaneous users supported: 300+  
LANGUAGE(S) :COBOL  
BASIC  
FORTRAN  
PL/I  
Assembler  
SPECIALIZED SOFTWARE :ZPLOT  
IDMS  
RND SPSS  
PERIPHERAL DEVICES :Scanning digitizer, line printer (character  
graphics), drum pen plotter, hard copy terminals  
(12), alphanumeric CRT's (22)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Dams -  
size, hazard, location, type, owner, hydropower  
(for dams meeting Corps of Engineers size criteria)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
MINIMUM RESOLUTION :County, watershed or river basin  
DATA STORAGE FORMAT :P1al files  
OUTPUT PRODUCTS :Printed reports  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :As needed

ORIGINAL PAGE IS  
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MT004-01

CODE :NT005-01

STATE :MT  
DATA BASE NAME :Reservoir Contents  
SUBJECT COVERAGE :Surface water  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MT Department of Natural Resources and Conservation  
RESPONDENT :George Cawlfild, Data Processing Manager  
MT Department of Natural Resources and Conservation  
32 South Ewing  
Helena, MT 59620  
Telephone: 406-449-3647

COMPUTER FACILITIES

COMPUTER(S) :IDM 3033N  
RESIDENCE :State of Montana Computer Center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
supply and storage, reservoir contents  
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :2/11/83  
PAPER FILE NUMBER :NT9-1

CODE :NT005-02

STATE :MT  
DATA BASE NAME :Stream Flows  
SUBJECT COVERAGE :Surface water  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :MT Department of Natural Resources and Conservation  
RESPONDENT :George Cawlfild, Data Processing Manager  
MT Department of Natural Resources and Conservation  
32 South Ewing  
Helena, MT 59620  
Telephone: 406-449-3647

COMPUTER FACILITIES

COMPUTER(S) :IDM 3033N  
RESIDENCE :State of Montana Computer Center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
stream flows, historical flows  
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :2/11/83  
PAPER FILE NUMBER :NT9-2

ORIGINAL PAGE IS  
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MT005-01  
MT005-02

CODE :NC001-01

CODE :NC002-01

STATE :NC  
 DATA BASE NAME :Branch Library Management Information System  
 DATA BASE ACRONYM :Branch Library MIS  
 SUBJECT COVERAGE :Hazardous waste, solid waste, and groundwater quality in NC  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :Solid and Hazardous Waste Management  
 RESPONDENT :Emil Breckling, Environmental Planner  
 Solid and Hazardous Waste Management Branch  
 Division of Health Services  
 306 North Wilmington Street  
 PO Box 2091  
 Raleigh, NC 27602  
 Telephone: 919-733-2178  
 OTHER CONTACTS :O W Strickland, Branch Head

COMPUTER FACILITIES

COMPUTER(S) :WANG VS100  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :WANG VS100  
 SYSTEM CAPACITY :Main memory: 1 Meg  
 Disc storage: 2 (288) plus 2 (75) Meg  
 Simultaneous users supported: 7  
 LANGUAGE(S) :COBOL  
 SPECIALIZED SOFTWARE :Image processing software  
 PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric CRT's (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental Quality - hazardous waste, solid waste, groundwater quality  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 County  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Index and sequential files  
 OUTPUT PRODUCTS :Tables, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Daily  
 CONFIDENTIALITY :Data has restricted access

DOCUMENTATION :Documentation available on hardware, software, data assessment procedures, data encoding, general information; newsletter also available  
 USER FEES POLICY :Fees are charged for products only  
 DATE OF INFORMATION :8/23/83  
 PAPER FILE NUMBER :NC10

STATE :NC  
 DATA BASE NAME :NC Outdoor Recreation Facility Inventory  
 SUBJECT COVERAGE :Information on recreation facilities in NC  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Data base is partially entered into NC's automated mapping system, completion dependent on funding  
 AGENCY :NC Division of Parks and Recreation  
 RESPONDENT :Bayard Alcorn, Outdoor Recreation Planner  
 Division of Parks and Recreation  
 Department of Natural Resources and Community Development  
 512 North Salisbury Street  
 PO Box 27687  
 Raleigh, NC 27611  
 Telephone: 919-733-7795

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
 RESIDENCE :Central government computer center  
 GIS CAPABILITY :Partially

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3238 Display

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation - public facilities, private facilities, acreages, operator classes (local, state, federal, etc...)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates (only for digitized sites)  
 MINIMUM RESOLUTION :Site specific (for digitized sites), county  
 DATA STORAGE FORMAT :Coordinate point, tabular  
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, composite mapping, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 5 years  
 CONFIDENTIALITY :Names and addresses of private and commercial recreation sites have restricted access

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USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :9/1/83  
 PAPER FILE NUMBER :NC13

ORIGINAL PAGE IS  
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NC002-01

CODE :NC003-01

STATE :NC  
 DATA BASE NAME :NC Natural Heritage Inventory  
 SUBJECT COVERAGE :Natural diversity elements, vegetation, and non-game wildlife  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This data base is being administered through the NC Department of Natural and Economic Resources, which has contracted with The Nature Conservancy to develop the Program. This data base is also part of the NC Land Resources Information Service automated mapping system.  
 AGENCY RESPONDENT :NC Department of Natural and Economic Resources  
 :Chuck Roe, Coordinator, Natural Heritage Program  
 :Division of Parks and Recreation  
 :Department of Natural and Economic Resources  
 :512 North Salisbury Street  
 :PO Box 27687  
 :Raleigh, NC 27611  
 :Telephone: 919-733-7795  
 OTHER CONTACTS :Shellie Gareau  
 :The Nature Conservancy  
 :1800 North Kent Street, Suite 800  
 :Arlington, VA 22209  
 :Telephone: 702-841-5307

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
 RESIDENCE :Central government computer center  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3278 terminal display

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - unique plants, unique animals, unique geologic formations, priority natural areas, plant communities  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point, tabular  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables, computer tape and printouts  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous

CONFIDENTIALITY

:Data on commercially exploited endangered species are confidential

DATA CATEGORY NAME

:Vegetation - species, communities, rare and endangered  
 :Statewide

GEOGRAPHIC COVERAGE  
 GEOGRAPHIC REFERENCE  
 MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

:Latitude/longitude  
 :Site specific  
 :Coordinate point, tabular  
 :Maps - Variable scale, composite mapping, tables, computer tape and printouts

DATA SOURCES  
 LEVEL OF RELIABILITY  
 UPDATE FREQUENCY  
 CONFIDENTIALITY

:Primary and secondary  
 :High  
 :Continuous  
 :Data on commercially exploited endangered species are confidential

DATA CATEGORY NAME

:Wildlife - non-game; mammals, birds, reptiles, amphibians, and other; habitat; threatened and endangered spp

GEOGRAPHIC COVERAGE  
 GEOGRAPHIC REFERENCE  
 MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

:Statewide  
 :Latitude/longitude  
 :Site specific  
 :Coordinate point, tabular  
 :Maps - variable scale, composite mapping, tables, computer tape and printouts

DATA SOURCES  
 LEVEL OF RELIABILITY  
 UPDATE FREQUENCY  
 CONFIDENTIALITY

:Primary and secondary  
 :High  
 :Continuous  
 :Data on commercially exploited endangered species are confidential

DOCUMENTATION

:General information is contained in their brochure, "The North Carolina Natural Heritage Program".

USER FEES POLICY

:Fees are charged on a cost recovery basis for copied material and computer-generated maps; most computer printouts out of date are available at no charge.

DATE OF INFORMATION :9/1/83

PAPER FILE NUMBER :NC15

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NC003-01

CODE :NC004-01

DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Weekly, monthly, quarterly

STATE :NC  
DATA BASE NAME :Environmental Radiation Data  
SUBJECT COVERAGE :Radioactivity concentrations in the environment  
around nuclear power plants in NC  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :NC Radiation Protection  
RESPONDENT :Felix Fong, Head, Environmental Surveillance Branch  
Radiation Protection Section  
Division of Facility Services  
Department of Human Resources  
1330 St. Mary's Street  
Raleigh, NC 27605  
Telephone: 919-733-4283  
OTHER CONTACTS :Dayne H Brown, Chief, Radiation Protection Section  
Jack M Penny, Environmental Engineer

DOCUMENTATION :Available for software  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :8/26/83  
PAPER FILE NUMBER :NC18

COMPUTER FACILITIES

COMPUTER(S) :Nuclear Data - 6620 system  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :MIDAS PLUS (from ND)  
SYSTEM CAPACITY :Main memory: 224 K  
Disc storage: 10 MB  
Simultaneous users supported: 4  
LANGUAGE(S) :FORTRAN  
BASIC  
SPECIALIZED SOFTWARE :Data aquisition software  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor  
digitizer, dot matrix printer with graphics,  
small flatbed pen plotter, hard copy terminals  
(2), alphanumeric CRT's (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
radioactivity concentrations in: air, water, soil,  
vegetation; sampling location; date of sample  
collection; date of analysis  
GEOGRAPHIC COVERAGE :Statewide - samples taken around the five nuclear  
power sites in NC  
GEOGRAPHIC REFERENCE :Not geographically referenced; the approximate  
distance and direction from the nuclear power  
plant is given  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries

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CODE :NC005-01

DOCUMENTATION

:Soil Testing Documentation Sheets:

Operation documentation  
System documentation  
Data documentation  
Program documentation  
File documentation

General information is also included within the documentation noted

USER FEES POLICY

:No policy established

DATE OF INFORMATION

:8/29/83

PAPER FILE NUMBER

:NC20

STATE :NC  
DATA BASE NAME :Soil Testing Program Files  
SUBJECT COVERAGE :Data on farm soils in North Carolina  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :NC Department of Agriculture  
RESPONDENT :Albert L Hatfield, Chief, Soil Testing Section  
Agronomic Services Office  
NC Department of Agriculture  
2109 Blue Ridge Road  
Raleigh, NC 27611  
Telephone: 919-733-2655  
OTHER CONTACTS :Dr. D. W. Eaddy, Director  
Telephone: 919-733-2655  
Charles W Colman Jr, ADP Supervisor  
Telephone: 919-733-6333

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
RESIDENCE :Central government computer center  
GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils -  
farm soils: Mn concentration, Zn concentration,  
Cu concentration, nutrient concentration (K, Ca, Mg),  
cation exchange capacity, acidity (H2O pH & buffer),  
percent saturation, humic matter content, weight per  
volume; general classification (mineral, mineral-  
organic, organic); crop(s); location  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Region  
County  
MINIMUM RESOLUTION :County, crop grown  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, year-end summary reports  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous, annual  
COMMENTS :Soil samples are analyzed for farmers and home owners  
upon request, results of the lab tests are input into  
the system along with general data. The computer system  
generates reports which include the suggested treatment  
determined by pre-defined formulas, and mailing labels

ORIGINAL PAGE 12  
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CODE :NC006-01

CODE :NC006-02

STATE :NC  
 DATA BASE NAME :Compliance Monitoring  
 SUBJECT COVERAGE :Upstream, downstream, influent and effluent water quality  
                     parameters related to NPDES permits  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Currently contains data on municipal majors only, will be  
          expanded to cover all discharges in the future  
 AGENCY :NC Division of Environmental Management  
 RESPONDENT :A. Bennie Goetze, Jr., Head, Information Services Branch  
             Department of Natural Resources and Community Development  
             512 North Salisbury Street  
             PO Box 27687  
             Raleigh, NC 27611  
             Telephone: 919-733-7015  
 OTHER CONTACTS :Sue Gardner, Supervisor, User Support Unit  
                   Craig Smith, computer operations

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
 RESIDENCE :Central government computer center (IBM 3081)  
 OPERATION :Interactive  
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Drum pen plotter, hard copy terminals (3),  
                     alphanumeric CRT's (6)  
                     the Division also has a DEC PDP 11/60 in house  
                     which is not used for this data base

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
                     water quality, point pollution, upstream quality,  
                     downstream quality, influent quality, effluent  
                     quality, NPDES permits, municipal majors  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Tables, statistical summaries, graphics (indirect  
                   through use of SASGRAPH), interactive video display,  
                   computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Monthly

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USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :9/22/83  
 PAPER FILE NUMBER :NC6

STATE :NC  
 DATA BASE NAME :Phytoplankton  
 SUBJECT COVERAGE :Biological parameters of phytoplankton, water quality  
 GEOGRAPHIC COVERAGE :Approximately the eastern quarter of the state  
 STATUS :Data is just being computerized  
 AGENCY :NC Division of Environmental Management  
 RESPONDENT :A. Bennie Goetze, Jr., Head, Information Services Branch  
             Division of Environmental Management  
             Department of Natural Resources and Community Development  
             512 North Salisbury Street  
             PO Box 27687  
             Raleigh, NC 27611  
             Telephone: 919-733-7015  
 OTHER CONTACTS :Sue Gardner, Supervisor, User Support Unit  
                   Craig Smith, computer operations

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/60  
 RESIDENCE :In-house  
 OPERATION :Batch  
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M 4.1  
 SYSTEM CAPACITY :Main memory: 256 K bytes  
                   Disc storage: 28 MB  
                   Simultaneous users supported: 6

LANGUAGE(S) :FORTRAN  
               COBOL

SPECIALIZED SOFTWARE :CALCOMP 907 plotting software  
 PERIPHERAL DEVICES :Drum pen plotter, hard copy terminals (3),  
                     alphanumeric CRT's (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Phytoplankton -  
                     water quality, species, cell volume, numbers, biomass  
 GEOGRAPHIC COVERAGE :NC Piedmont mountain lakes and coastal plains water  
                     bodies (approximately the eastern quarter of NC)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
                     US Geological Survey Codes  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Graphics, statistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous  
 COMMENTS :Data just being computerized

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USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :9/22/83  
 PAPER FILE NUMBER :NC6

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NC006-02

CODE :NC006-03

STATE :NC  
DATA BASE NAME :Biological  
SUBJECT COVERAGE :Water quality, biological numbers, richness indices,  
biotic indices  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :NC Division of Environmental Management  
RESPONDENT :A. Bonnie Goetze, Jr., Head, Information Services Branch  
NC Division of Environmental Management  
Department of Natural Resources and Community Development  
512 North Salisbury Street  
PO Box 27687  
Raleigh, NC 27611  
Telephone: 919-733-7015  
OTHER CONTACTS :Sue Gardner, Supervisor, User Support Unit  
Craig Smith, computer operations

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/60  
RESIDENCE :In-house  
OPERATION :Batch  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M 4.1  
SYSTEM CAPACITY :Main memory: 256 K bytes  
Disc Storage: 28 MB  
Simultaneous users supported: 6  
LANGUAGE(S) :FORTRAN  
COBOL  
SPECIALIZED SOFTWARE :CALCOMP 907 plotting software  
PERIPHERAL DEVICES :Drum pen plotter, hard copy terminals (3),  
alphanumeric CRT's (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water quality, biological numbers, richness indices,  
biotic indices  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
USGS Survey Codes  
MINIMUM RESOLUTION :Site specific, watershed or river basin  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Graphics, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
COMMENTS :Data is supplied to EPA STORET

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USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :9/16/83  
PAPER FILE NUMBER :NC6-3

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NC006-03

CODE : NC007-01

STATE : NC  
 DATA BASE NAME : Land Resources Information Service  
 DATA BASE ACRONYM : LRIS  
 SUBJECT COVERAGE : Statewide data on climate, demography, boundaries, topography, land use/land cover, surface water, dams, recreation, environmental quality, threatened and endangered vegetation and wildlife, and soils. Additional data are available for portions of the state, eg. coastal areas, specific counties, watersheds.  
 GEOGRAPHIC COVERAGE : Statewide for most data, additional data are available for certain smaller areas  
 STATUS : The Land Resources Information Service is a geographic information system, operating as a nonprofit agency within the NC Department of Natural Resources and Community Development, Division of Land Resources. The service provides state, regional, and local governments with information for land resource management. LRIS maintains a computer data base of land related information which can be accessed and analyzed by any public agency on a cost recovery basis. In addition to providing available data, LRIS serves as a clearinghouse for locating other data sources, and can perform complete land resource projects for clients, from data collection to data analysis.  
 AGENCY : NC Department of Natural Resources and Community Development  
 RESPONDENT : Karen Siderelis, Director  
 Land Resources Information Service  
 Division of Land Resources  
 NC Department of Natural Resources and Community Development  
 512 North Salisbury Street  
 PO Box 27687  
 Raleigh, NC 27611  
 Telephone: 919-733-2090  
 OTHER CONTACTS : Thomas Scheitlin, GIS Manager  
 Torry Ellis, Applications Analyst

#### COMPUTER FACILITIES

COMPUTER(S) : DEC LSI 11/03  
 DG ECLIPSE S/230  
 DG ECLIPSE MV8000/II (purchase request submitted)  
 RESIDENCE : in-house; infrequently use Central Government Computer Center  
 OPERATION : Batch and interactive  
 GIS CAPABILITY : Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM : D.G. AOS

SYSTEM CAPACITY : Main memory: 3/4 MB  
 Disc storage: 96 MB  
 Simultaneous users supported: 6 to 8  
 LANGUAGE(S) : FORTRAN  
 Assembler  
 SPECIALIZED SOFTWARE : CONPIS (Comark's)  
 Programs developed in-house to enhance and expand CONPIS  
 PERIPHERAL DEVICES : Monochrome graphic CRT's (3), mechanical digitizers (3), line printer, drum pen plotter, hard copy terminal, alphanumeric CRT's (2), TEKTRONIX hard copy unit

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Climate/weather -  
 rainfall, temperature  
 GEOGRAPHIC COVERAGE : Statewide (1:500,000)  
 GEOGRAPHIC REFERENCE : State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 DATA STORAGE FORMAT : Polygon, arc/node  
 OUTPUT PRODUCTS : Maps - variable scale, statistical summaries, composite mapping, interactive video display, computer tape  
 DATA SOURCES : Secondary  
 LEVEL OF RELIABILITY : Moderate  
 UPDATE FREQUENCY : As needed  
 COMMENTS : Data acquired from NCSU Crop Science Department

DATA CATEGORY NAME : Demography -  
 populations - 1970 and 1980 Census, social aspects, economic aspects, housing counts, municipality names, all data from Census Summary Tape File 3 - includes income, employment, etc.  
 GEOGRAPHIC COVERAGE : Statewide (1 inch = 2 miles, usually)  
 GEOGRAPHIC REFERENCE : State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 MINIMUM RESOLUTION : Original scale: county  
 DATA STORAGE FORMAT : Polygon, arc/node  
 OUTPUT PRODUCTS : Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape  
 DATA SOURCES : Secondary  
 LEVEL OF RELIABILITY : Moderate  
 UPDATE FREQUENCY : As needed  
 COMMENTS : Data acquired from US Census Bureau

DATA CATEGORY NAME : Boundaries -  
 state, counties, census blocks, watersheds, river basins, regional planning districts

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NC007-01

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 MINIMUM RESOLUTION :Original scale: watershed or river basin, county,  
 township  
 DATA STORAGE FORMAT :Polygon, arc/node  
 OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical sum-  
 maries, composite mapping, interactive video display,  
 computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed  
 COMMENTS :Data is digitized by LRIS from a variety of maps, eg.  
 USGS, Census Bureau, NCDOT

DATA CATEGORY NAME :Topography -  
 elevation, slope, aspect, contours, topography  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, statistical summaries, compo-  
 site mapping, interactive video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Low  
 UPDATE FREQUENCY :As needed  
 COMMENTS :Data collected by DMA (1:250,000 scale)

DATA CATEGORY NAME :Land use/land cover -  
 barren land, forest land, perennial ice and snow,  
 rangeland, water, wetlands, estuaries, cropland,  
 pasture, urban/built-up, livestock production, trans-  
 portation, federal ownership  
 GEOGRAPHIC COVERAGE :Statewide (1:250,000)  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 DATA STORAGE FORMAT :Polygon, arc/node  
 OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical sum-  
 maries, composite mapping, interactive video display,  
 computer tape  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :As needed  
 CLASSIFICATION :Anderson's  
 COMMENTS :USGS LUDA data

DATA CATEGORY NAME :Surface water hydrology -  
 water body type, watershed boundaries, stream types  
 GEOGRAPHIC COVERAGE :Statewide (1:250,000 scale)  
 Pamlico/Albemarle Peninsula, Currier County, Bun-  
 combe County (1:24,000 scale)  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 MINIMUM RESOLUTION :Original scale:  
 1 degree X 2 degree quad (1:250,000)  
 7 and 1/2 minute quad (1:24,000)  
 DATA STORAGE FORMAT :Polygon, arc/node  
 OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical sum-  
 maries, composite mapping, interactive video display,  
 computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate (1:250,000)  
 High (1:24,000)  
 UPDATE FREQUENCY :As needed  
 CLASSIFICATION :USGS hydrography codes for digital data  
 COMMENTS :Data from USGS topographic maps

DATA CATEGORY NAME :Dams -  
 location  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 MINIMUM RESOLUTION :Original data: site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical sum-  
 maries, composite mapping, interactive video display,  
 computer tape  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :As needed  
 COMMENTS :Data collected by NC Land Quality Section

DATA CATEGORY NAME :Recreation -  
 recreational areas, parks, unique areas  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 Universal Transverse Mercator  
 Latitude/longitude  
 MINIMUM RESOLUTION :Original data: site specific, county  
 DATA STORAGE FORMAT :Coordinate point, polygon, arc/node  
 OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical sum-  
 maries, composite mapping, interactive video display,  
 computer tape  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :As needed

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CONFIDENTIALITY COMMENTS :Must receive approval for use from DCR or DP&R  
:Data collected by Division of Parks and Recreation and Cultural Resources Department

DATA CATEGORY NAME :Environmental quality -  
air quality, water quality, point pollution, non-point pollution  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude  
MINIMUM RESOLUTION :Original scale: site specific  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :As needed  
COMMENTS :Data managed by Division of Environmental Management, LITS has access to data via tape

DATA CATEGORY NAME :Vegetation -  
rare and endangered  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude  
MINIMUM RESOLUTION :Original scale: site specific  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps - one scale only, statistical summaries, composite mapping, interactive video display, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :As needed  
COMMENTS :Data collected by NC Natural Heritage Program

DATA CATEGORY NAME :Wildlife -  
threatened and endangered  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude  
MINIMUM RESOLUTION :Original scale: site specific  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps - one scale only, graphics, statistical summaries, composite mapping, interactive video display, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :As needed

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COMMENTS :Data collected by NC Natural Heritage Program

DATA CATEGORY NAME :Soils data -  
association  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude  
MINIMUM RESOLUTION :Original scale: county  
DATA STORAGE FORMAT :Polygon, arc/node  
OUTPUT PRODUCTS :Maps - one scale only, graphics, statistical summaries, composite mapping, interactive video display, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :As needed  
COMMENTS :Data collected by USDA SCS

DATA CATEGORY NAME :Soils data -  
series; engineering characteristics, capability class, productivity, and erosion can be derived  
GEOGRAPHIC COVERAGE :Carteret, Buncombe, Wayne, and Lee Counties  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude  
MINIMUM RESOLUTION :Original scale: county, 7 and 1/2 minute quads  
DATA STORAGE FORMAT :Polygon, arc/node  
OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :As needed  
COMMENTS :Data collected by USDA SCS

DATA CATEGORY NAME :Wildlife -  
non-game fish, non-game marine/estuarial, vegetation, anadromous fish areas, primary nursery areas, shellfish beds, waterfowl wintering and breeding areas  
GEOGRAPHIC COVERAGE :Coastal counties  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude  
MINIMUM RESOLUTION :Original scale: 7 and 1/2 minute quads  
DATA STORAGE FORMAT :Coordinate point, polygon, arc/node  
OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :As needed

COMMENTS :Data collected by Division of Marine Fisheries and  
NC Wildlife Resources Commission

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DATA CATEGORY NAME :Coastal resources -  
coastal shorelines

GEOGRAPHIC COVERAGE :Coastal counties

GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude

MINIMUM RESOLUTION :Original scale: county, 7 and 1/2 minute quads

DATA STORAGE FORMAT :Polygon, arc/node

OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape

DATA SOURCES :Secondary

UPDATE FREQUENCY :As needed

COMMENTS :Data is taken from USGS topographic maps and is supplied to USGS

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DATA CATEGORY NAME :Energy -  
transmission lines (1:24,000), peat resources (1:250,000)

GEOGRAPHIC COVERAGE :Pamlico/Albemarle Peninsula

GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude

MINIMUM RESOLUTION :Original scale: 7 and 1/2 minute quads

DATA STORAGE FORMAT :Polygon, arc/node

OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape

DATA SOURCES :Secondary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :As needed

COMMENTS :Transmission line data taken from USGS topographic maps, peat inventory by investigators at UNC-Chapel Hill and East Carolina University  
Digital transmission line data is supplied to USGS, National Digital Cartographic Database

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DATA CATEGORY NAME :Transportation -  
roads (types), trails

GEOGRAPHIC COVERAGE :Statewide (1 inch = 2 miles)  
Pamlico/Albemarle Peninsula, Carteret County, Buncombe County (larger scale?)

GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude

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MINIMUM RESOLUTION :Original scale: county, 7 and 1/2 minute quads

DATA STORAGE FORMAT :Polygon, arc/node

OUTPUT PRODUCTS :Maps - one scale only, graphics, statistical summaries, composite mapping, interactive video display, computer tape

DATA SOURCES :Secondary

UPDATE FREQUENCY :As needed

CLASSIFICATION :USGS digital transportation codes

COMMENTS :Data collected from USGS topographic maps and NCMT highway maps

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DATA CATEGORY NAME :Land cover -  
forest land, water, cropland, pasture, urban/built-up, also includes erosion rates and conservation treatment

GEOGRAPHIC COVERAGE :Upper Nerise River Watershed, Upper Tar River Watershed, Moss Neck Watershed, Troublesome Creek Watershed, Buffalo-Muddy Creek Watershed, and five watersheds in Chowan Basin

GEOGRAPHIC REFERENCE :State Plane Coordinates  
Universal Transverse Mercator  
Latitude/longitude

MINIMUM RESOLUTION :Original scale: watershed, county, 7 and 1/2 minute quads

DATA STORAGE FORMAT :Polygon, arc/node

OUTPUT PRODUCTS :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape

DATA SOURCES :Secondary

UPDATE FREQUENCY :As needed

COMMENTS :Data collected by SCS mapping program (1:24,000)

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DOCUMENTATION :Documentation available on: hardware, software, data structure, data encoding format/procedure, and general information

USER FEES POLICY :Fees are charged for all products and services according to a fee schedule, on a cost recovery basis

DATE OF INFORMATION :9/28/83

PAPER FILE NUMBER :NC2

CODE :NC008-01

STATE :NC  
DATA BASE NAME :Water Supply Analyses  
SUBJECT COVERAGE :Environmental quality of water supplies  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :NC Department of Human Resources  
RESPONDENT :Larry Elmore, Environmental Engineer  
Water Supply Branch  
NC Department of Human Resources  
Bath Building, Room 204  
306 North Wilmington Street  
Raleigh, NC 27602  
Telephone: 919-733-2321  
OTHER CONTACTS :Charles E. Rundgren, Branch Head

COMPUTER FACILITIES

COMPUTER(S) :WANG VS100  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 1 megabyte  
Disc storage: 2(75mg) 2(288mg)  
LANGUAGE(S) :COBOL  
PERIPHERAL DEVICES :CRT, line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water supply quality, radiological analyses, bacterio-  
logical analyses, inorganic chemical analyses  
GEOGRAPHIC COVERAGE :Statewide (four regional offices)  
GEOGRAPHIC REFERENCE :County  
MINIMUM RESOLUTION :Ownership unit  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Daily

=====

DOCUMENTATION :Available on software  
USER FEES POLICY :Fees are charged for all products and services according  
to a fee schedule  
DATE OF INFORMATION :12/1/83  
PAPER FILE :NC19

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NC008-01

CODE :ND001-01

STATE :ND  
DATA BASE NAME :Water Permit Annual Use Inventory Reports  
SUBJECT COVERAGE :Groundwater and surface water use  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :ND State Water Commission  
RESPONDENT :Gordon Baesler, Engineer  
Hydrology Division  
ND State Water Commission  
900 East Boulevard  
Bismarck, ND 58505  
Telephone: 701-224-3441  
OTHER CONTACTS :Jon Patch  
Telephone: 701-224-2754  
:Dave Ripley  
Telephone: 701-224-2754  
:Vernon Fahy, State Engineer  
Telephone: 701-224-2753

COMPUTER FACILITIES

COMPUTER(S) :IBM 4341  
RESIDENCE :ND Central Data Processing  
OPERATION :Batch and interactive

IN-HOUSE FACILITIES

LANGUAGE(S) :CICS  
PERIPHERAL DEVICES :Decwriter, alphanumeric CRT (IBM)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water use -  
permits, annual water usage, irrigation, municipal  
water usage, self-supplied industrial water usage,  
thermoelectric water usage, groundwater, surface  
water  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
By drainage basin  
By county  
By township  
By point of diversion  
MINIMUM RESOLUTION :1/4-1/4 section  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries, interactive video dis-  
play capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuously

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DATE OF INFORMATION :9/9/83  
PAPER FILE NUMBER :ND4

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ND001-01



CODE :ND002-01

OUTPUT PRODUCTS :Data listings  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuously

STATE :ND  
DATA BASE NAME :Coal Mine Permit Data  
SUBJECT COVERAGE :Bonding, surface water monitoring, ground water monitoring  
GEOGRAPHIC COVERAGE :Nine counties in western North Dakota (Adams, Bowman, Burke, McLean, Mercer, Morton, Oliver, Stark and Ward counties)  
STATUS :Currently, permit status data are automated under an old data base. These data will be transferred into the new data base this year, starting in Spring 1983. All other permit data (excluding topographic maps and overburden/cont isopachs) are non-automated.  
AGENCY :ND Public Service Commission  
RESPONDENT :Louis A. Ogaard, Environmental Scientist  
ND Public Service Commission  
Reclamation Division  
13th Floor - State Capitol Building  
Bismarck, ND 58505-0165  
Telephone: 701-224-2400

DOCUMENTATION :Descriptions of the data base and loading/retrieval programs will be available in late 1983 from Central Data Processing; copying costs will be borne by the recipient of the documentation.  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :2/9/83  
PAPER FILE NUMBER :ND10

#### COMPUTER FACILITIES

COMPUTER(S) :HARRIS S500  
RESIDENCE :ND Central Data Processing, State Capitol Building

#### IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN-77  
PERIPHERAL DEVICES :Graphics CRTs (Tektronix 4014, 4016), CRTs and a non-impact printer

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Mining -  
coal mine permits, bonding  
GEOGRAPHIC COVERAGE :Nine counties in western North Dakota (Adams, Bowman, Burke, McLean, Mercer, Morton, Oliver, Stark and Ward counties)  
DATA STORAGE FORMAT :Polygon, tabular  
OUTPUT PRODUCTS :Maps, graphics, tables  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuously

DATA CATEGORY NAME :Environmental quality -  
surface water monitoring, groundwater monitoring, coal mining, point pollution  
GEOGRAPHIC COVERAGE :Nine counties in western North Dakota (Adams, Bowman, Burke, McLean, Mercer, Morton, Oliver, Stark and Ward counties)  
DATA STORAGE FORMAT :Tabular

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CODE :ND003-01

STATE :ND  
DATA BASE NAME :ND Natural Heritage  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of North Dakota and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :ND Parks and Recreation Department  
RESPONDENT :Pam Soine, Coordinator/Zoologist  
ND Natural Heritage  
ND Parks and Recreation Department  
Pinehurst Office Park  
1424 W. Century Avenue  
P.O. Box 700  
Bismarck, ND 58502  
Telephone: 701-224-58502  
OTHER CONTACTS :Richard Warner, Botanist  
:Donnie Heidel, Plant Ecologist  
:Patsy Crooke, Data Manager  
:Shelie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :ND12

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CODE :NE001-01

STATE :NE  
 DATA BASE NAME :NE Natural Resources Data Bank  
 DATA BASE ACRONYM :NNRIS  
 SUBJECT COVERAGE :Soil, water and related resources  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The Nebraska Natural Resources Commission was authorized in 1969 by the Legislature to establish, maintain, and administer a data bank in the field of soil and water resources in the State of Nebraska.  
 AGENCY RESPONDENT :NE Natural Resources Commission  
 :Mahendra K. Bansal, Head  
 Data Bank Section  
 NE Natural Resources Commission  
 301 Centennial Mall South  
 P.O. Box 94876  
 Lincoln, NE 68509  
 Telephone: 402-471-2081  
 OTHER CONTACTS :Executive Secretary, NE Natural Resources Commission

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158 MVS  
 RESIDENCE :University of Nebraska, Lincoln Computing Facility  
 OPERATION :Batch  
 GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :IBM 3777/1 Communications Terminal  
 SYSTEM CAPACITY :High speed remote job entry-9600 bauds/second  
 LANGUAGE(S) :FORTRAN  
 PL/I  
 SPECIALIZED SOFTWARE :MISARS  
 Other specialized programs developed in the Data Bank  
 PERIPHERAL DEVICES :Tektronix mechanical digitizer, CRT display terminals (3), line printer, dot matrix printer with graphics, small flatbed pen plotter, IBM 3742 Dual Data Station

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
 rainfall, wind, ambient temperature, snowfall, evaporation, events occurrence, water temperature  
 solar radiation  
 GEOGRAPHIC COVERAGE :Statewide (National weather data stations)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Climatological Data Station  
 County  
 River basin  
 Natural Resource District  
 MINIMUM RESOLUTION :Site specific

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DATA STORAGE FORMAT :Tabular, basic data - variable length monthly records  
 OUTPUT PRODUCTS :Statistical summaries, data listings, tables, graphics, various analyses  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual  
 CLASSIFICATION :National Weather Service Data  
 COMMENTS :Updated through December 1982

DATA CATEGORY NAME :Streamflow data -  
 station description, discharge, peakflow, drainage area description  
 GEOGRAPHIC COVERAGE :Statewide (at gaging stations)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Natural Resource District  
 County  
 River basin  
 Gaging station  
 MINIMUM RESOLUTION :Site specific (by station)  
 DATA STORAGE FORMAT :Tabular, Basic data - fixed length monthly records  
 OUTPUT PRODUCTS :Tables, graphics (curves), data listings, various analyses  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual  
 CLASSIFICATION :USGS STORET data  
 COMMENTS :Updated through September 1982

DATA CATEGORY NAME :Hydrographic data -  
 canal diversions, reservoir storage, stream discharges  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 County  
 River basin  
 Natural Resource District  
 MINIMUM RESOLUTION :Site specific (by station)  
 DATA STORAGE FORMAT :Tabular, basic data - variable length monthly records  
 OUTPUT PRODUCTS :Data listings, statistical summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annual  
 COMMENTS :Updated through September 1982; basic data acquired from the NE Department of Water Resources

DATA CATEGORY NAME :Surface water -  
 water rights, source or stream name, caller name, use, appropriator  
 GEOGRAPHIC COVERAGE :Statewide

NE001-01

GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listings, summary listings  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual  
 COMMENTS :Updated through June 1983; basic data acquired from the  
 NE Department of Water Resources

DATA CATEGORY NAME :Wells -  
 registration, location, use, depth, water levels, acres  
 irrigated, permits  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 Natural Resource District  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Statistical summaries; well plots by county, Natural  
 Resource District, township or state  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Quarterly  
 COMMENTS :Updated through June 1983; basic data acquired from the  
 NE Department of Water Resources

DATA CATEGORY NAME :Dams -  
 ownership, location, basic structural and hydraulic  
 details, inspection date  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 County  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listing  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Annual  
 COMMENTS :Updated through June 1983; basic data acquired from the  
 NE Department of water Resources

DATA CATEGORY NAME :Environmental quality -  
 drinking water supplies; municipalities, industries,  
 campgrounds, biological, chemical, physical, radio-  
 logical  
 GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Municipality  
 Site sampled  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Reports, data listings  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Monthly  
 COMMENTS :Updated through August 1983; basic data acquired from  
 the NE Department of Health

DATA CATEGORY NAME :Groundwater levels -  
 well location, well depth, land surface datum, well use,  
 water use, highest recorded water level, lowest recorded  
 water level, last recorded water level  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 County  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listings, water table plots, statistical summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annual  
 COMMENTS :Updated through December 1982; basic data acquired from  
 the NE Conservation and Survey Division, NEA.

DATA CATEGORY NAME :Environmental quality -  
 surface water quality, groundwater quality, point source  
 effluent data, fish kill data  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 County  
 MINIMUM RESOLUTION :Site specific (station)  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listings, summary listings  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Bi-annual  
 CLASSIFICATION :EPA - STORET  
 COMMENTS :Updated through December 1980; data acquired from  
 EPA/STORET

DATA CATEGORY NAME :Agricultural crop data -  
 statistics, crop type, acres harvested, crop yield, pro-  
 duction for dryland/irrigated land separately and com-  
 bined

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GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
     Crop reporting district  
     Extension area  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Statistical summaries and projections, data listings,  
     data plots  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annual  
 COMMENTS :Updated through December 1982; basic data acquired from  
     the NE Crop and Livestock Reporting Service of the State  
     Department of Agriculture

DATA CATEGORY NAME :Demography -  
     populations, age, race, sex, projections  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
     Natural Resource District  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listings, data summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Decennially  
 COMMENTS :Last update - 1980; basic data acquired from the US  
     Bureau of Census

DATA CATEGORY NAME :Soils data -  
     type, series, engineering characteristics, capability  
     class, erosion losses, conservation measures  
 GEOGRAPHIC COVERAGE :Soils types digitized for 18 counties, mostly in south-  
     east Nebraska (Adams, Dodge, Douglas, Gage, Hall, Harlan,  
     Jefferson, Lincoln, Nuckolls, Pawnee, Phelps, Polk,  
     Sarpy, Seward, Thayer, Washington, Webster and York);  
     another 43 counties will be digitized during 1983-4.  
     Erosion data available for the Maple Creek Model Imple-  
     mentation Project area, Sarpy and Douglas counties.  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :2-2/3 acre, 2 acre  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (variable scale) for the Maple Creek Watershed,  
     Douglas, Gage, Pawnee, Jefferson, Hall, Seward, and  
     Adams counties; and tables  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only  
 COMMENTS :Updated through December 1981; basic data acquired  
     from the US Soil Conservation Service

DATA CATEGORY NAME :Land use -  
     urban/built-up land, agricultural land, rangeland,  
     forest land, water, nonforested wetland, barren land,  
     built up, and transportation  
 GEOGRAPHIC COVERAGE :Seven Natural Resource Districts (NRDs) (South Platte  
     NRD, Twin Platte NRD, Lower Niobrara NRD, Central Platte  
     NRD, Upper Big Blue NRD, Upper Niobrara NRD, Platte NRD)  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Low  
 UPDATE FREQUENCY :One time only  
 CLASSIFICATION :USGS Circular 671  
 COMMENTS :In progress; Landsat is source data, also basic data  
     acquired from the US Soil Conservation Service

DATA CATEGORY NAME :Groundwater -  
     test holes header information: location, ownership,  
     water use, well use, well depth, drill type, eleva-  
     tion, water level, depth of impervious bedrock, thick-  
     ness of water saturated sand, gravel formations, bot-  
     tom land and terrace region  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
     Public Land Survey  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listings  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only  
 COMMENTS :Updated through December 1979; data acquired from the  
     NE Conservation and Survey Division, UNI.

DATA CATEGORY NAME :Agriculture -  
     land use, land capability class, conservation treatment  
     needs  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data listings, data summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Low  
 UPDATE FREQUENCY :One time only

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CODE :NE001-01  
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CODE :NE002-01

COMMENTS :Data compiled in 1967; basic data acquired from the  
US Soil Conservation Service

DATA CATEGORY NAME :Center pivots  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
Natural Resource District  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Data listings, data summaries  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annual  
COMMENTS :Updated through December 1981; data acquired from the NE  
Conservation and Survey Division, UNL

DOCUMENTATION : "Nebraska Natural Resources Data Bank (Information System)  
Users Manual" (January 1981); "Nebraska Natural Resources  
Data Bank (Information System) Data Access Manual" (June  
1981)  
USER FEES POLICY :Users are billed for mailing charges and the actual com-  
puter costs involved in the retrieval of the information  
requested  
DATE OF INFORMATION :9/27/83  
PAPER FILE NUMBER :NB4

STATE :NE  
DATA BASE NAME :Demographic Data  
SUBJECT COVERAGE :Demographic data in NE  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :Bureau of Business Research  
RESPONDENT :Don Pursell, Director, Bureau of Business Research  
200 College of Business Administration  
University of Nebraska  
Lincoln, NE 68588  
Telephone: 402-472-2334  
OTHER CONTACTS :Jerome Deichert, Research Associate

#### COMPUTER FACILITIES

RESIDENCE :University of Nebraska, Lincoln

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
populations, age, sex, economic aspects, historical  
data, projections  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County, any government measurement  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries, computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Semi-annually, every 10 years  
COMMENTS :Includes data collected by Census, BEA, Labor, etc.  
Some of this data is supplied to the Nebraska Natural  
Resources Data Bank (see NE001-01)

USER FEES POLICY :Fees are charged for some products and services according  
to a fee schedule  
DATE OF INFORMATION :10/3/83  
PAPER FILE NUMBER :NES

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NE001-01  
(cont.)  
NE002-01

CODE :NJ001-01

CODE :NJ002-01

STATE :NJ  
 DATA BASE NAME :NJ Pollutant Discharge Elimination System Files  
 SUBJECT COVERAGE :Environmental quality of ground and surface waters  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :NJ Division of Water Resources  
 RESPONDENT :Gail Carter, Senior Geologist  
 NJ Geological Survey  
 Division of Water Resources  
 NJ Department of Environmental Protection  
 1474 Prospect Street, CN 029  
 Trenton, NJ 08625  
 Telephone: 609-292-0668  
 OTHER CONTACTS :Ellen Radow, Esq., Bureau Chief, Permits Administration  
 Telephone: 609-292-4428

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
 CONPURO SYSTEM 8/16C  
 RESIDENCE :NJ Department of Transportation Data Center

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
 groundwater quality, groundwater discharge, surface  
 water quality, surface water discharge, sludge qual-  
 ity, chemical analyses  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Facility identifier  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Tables, computer tape, interactive video display  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Monthly

DATE OF INFORMATION :11/14/83  
 PAPER FILE NUMBER :NJ2

STATE :NJ  
 DATA BASE NAME :Comprehensive Plan  
 SUBJECT COVERAGE :Surface and ground water locations and users  
 GEOGRAPHIC COVERAGE :Delaware River Basin, including NJ, PA, DE, and NY  
 AGENCY :Delaware River Basin Commission  
 RESPONDENT :Richard C. Tortoriello, Head, Operations Branch  
 Delaware River Basin Commission  
 25 State Police Drive  
 PO Box 7360  
 West Trenton, NJ 08628  
 Telephone: 609-883-9500

COMPUTER FACILITIES

COMPUTER(S) :CONTROL DATA 7600  
 RESIDENCE :Control Data Corporation, using System 2010 DMS  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
 quantity, well location, permitted use  
 GEOGRAPHIC COVERAGE :Delaware River Basin  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Watershed or river basin, ownership unit, county,  
 township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :Annual

DATA CATEGORY NAME :Surface water -  
 water body type, supply and storage, location, user  
 GEOGRAPHIC COVERAGE :Delaware River Basin  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Watershed or river basin, ownership unit, county,  
 township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :Annual

USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :9/29/83  
 PAPER FILE NUMBER :NJ5

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NJ002-01

CODE :NJ002-02

CODE :NJ003-01

STATE :NJ  
 DATA BASE NAME :Self-Supplied Water User Inventory  
 SUBJECT COVERAGE :Use of surface and ground waters  
 GEOGRAPHIC COVERAGE :Delaware River Basin  
 AGENCY :Delaware River Basin Commission  
 RESPONDENT :Richard C. Tortoriello, Head, Operations Branch  
 Delaware River Basin Commission  
 25 State Police Drive  
 PO Box 7360  
 West Trenton, NJ 08628  
 Telephone: 609-883-9500

COMPUTER FACILITIES

COMPUTER(S) :CONTROL DATA 7600  
 RESIDENCE :Control Data Corporation, using System 2000 DBMS  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
 quantity used, location, user  
 GEOGRAPHIC COVERAGE :Delaware River Basin  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Watershed or river basin  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :Not yet updated

DATA CATEGORY NAME :Groundwater -  
 discharge/pumpage, location  
 GEOGRAPHIC COVERAGE :Delaware River Basin  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Watershed or river basin, county, township  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Secondary  
 UPDATE FREQUENCY :Not yet updated

USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :9/29/83  
 PAPER FILE NUMBER :NJ5

STATE :NJ  
 DATA BASE NAME :NJ Energy Data System  
 SUBJECT COVERAGE :Information dealing with energy  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :NJ Department of Energy  
 RESPONDENT :Quentin Darmstadt, Chief, Data Center  
 NJ Department of Energy  
 101 Commerce Street  
 Newark, NJ 07102  
 Telephone: 201-648-4850  
 OTHER CONTACTS :Doris Rizzolo, Energy Specialist  
 Telephone: 201-648-4845

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/168  
 RESIDENCE :NJ Educational Computer Network  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics), hard copy  
 terminals (3), alphanumeric CRT's (24)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
 production, demand, supply, prices, energy related  
 demographic data, fuel mix, storage capacity, auto  
 registrations, toll road mileage/volume  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Not geographically referenced  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, graphics, modelling capability  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Monthly to annually  
 CONFIDENTIALITY :Sales, storage and capacity data from oil companies  
 have restricted access

USER FEES POLICY :No policy established  
 DATE OF INFORMATION :9/30/83  
 PAPER FILE NUMBER :NJ6

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NJ003-01



CODE :NJ004-01

LEVEL OF RELIABILITY :Variable

STATE :NJ  
DATA BASE NAME :Survey of Mining Operations in NJ, Past and Present  
SUBJECT COVERAGE :Mining and geologic information  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :NJ Geological Survey  
RESPONDENT :Christy Bell, Senior Geologist  
NJ Geological Survey  
Division of Water Resources  
NJ Department of Environmental Protection  
1474 Prospect Street, CN 029  
Trenton, NJ 08625  
Telephone: 609-292-2576  
OTHER CONTACTS :Maig Kasabach, Deputy State Geologist  
Telephone: 609-292-0668

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :Department of Transportation  
OPERATION :interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, small flatbed pen  
plotter, hard copy terminals (2), alphanumeric  
CRT's (5)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Mining -  
all commodities, location, for some sites: pro-  
duction information  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :latitude/longitude  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Variable

DATA CATEGORY NAME :Geology -  
bedrock geology, exploration/extraction  
GEOGRAPHIC COVERAGE :Some sites statewide  
GEOGRAPHIC REFERENCE :latitude/longitude  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Geologic description of the sites  
DATA SOURCES :Primary and secondary

DOCUMENTATION :Documentation on data structure and data assessment  
procedure to be published  
Documentation on software, SAS, available  
USER FEES POLICY :Information is to be published as open file reports  
DATE OF INFORMATION :10/17/83  
PAPER FILE NUMBER :NJB

ORIGINAL PAGE IS  
OF POOR QUALITY

NJ004-01

CODE :NJ005-01

STATE :NJ  
 DATA BASE NAME :Coastal Regulatory Data  
 SUBJECT COVERAGE :Coastal permits, regulatory data  
 GEOGRAPHIC COVERAGE :NJ coastal zone  
 STATUS :Compatible with the NJDEP Geographic Information System,  
 (see NJ010-01)  
 AGENCY :NJ Division of Coastal Resources  
 RESPONDENT :David Stern, Planning Coordinator  
 Division of Coastal Resources  
 NJ Department of Environmental Protection  
 Room 702, Labor and Industry Building, CN 401  
 Trenton, NJ 08625  
 Telephone: 609-292-9762  
 OTHER CONTACTS :Bob Mills, Manager Geog. and Stats. Unit  
 Telephone: 609-292-9762

#### COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4114  
 IBM 3033  
 RESIDENCE :Central government computer center  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Regulatory data -  
 coastal permits  
 GEOGRAPHIC COVERAGE :NJ coastal zone  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statis-  
 tical summaries, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Weekly

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USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/3/83  
 PAPER FILE NUMBER :NJ12

CODE :NJ005-02

STATE :NJ  
 DATA BASE NAME :Shorefront Municipality Data  
 SUBJECT COVERAGE :Demographic, social and economic data  
 GEOGRAPHIC COVERAGE :Shorefront municipalities in NJ  
 STATUS :Compatible with the NJDEP Geographic Information  
 System (see NJ010-01)  
 AGENCY :NJ Division of Coastal Resources  
 RESPONDENT :David Stern, Planning Coordinator  
 Division of Coastal Resources  
 NJ Department of Environmental Protection  
 Room 702, Labor and Industry Building, CN 401  
 Trenton, NJ 08625  
 Telephone: 609-292-9762  
 OTHER CONTACTS :Bob Mills, Manager Geog. and Stats. Unit  
 Telephone: 609-984-6072

#### COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4114  
 IBM 3033  
 RESIDENCE :Central government computer center  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
 populations, social aspects, economic aspects,  
 percent seasonal housing, 1980 population, median  
 value of owner occupied homes, 1982 visitors  
 GEOGRAPHIC COVERAGE :Shorefront municipalities on the Atlantic coast  
 of NJ  
 GEOGRAPHIC REFERENCE :Municipality  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statis-  
 tical summaries, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Varies

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USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/3/83  
 PAPER FILE NUMBER :NJ12

ORIGINAL PAGE IS  
 OF POOR QUALITY.

NJ005-01  
 NJ005-02

CODE :NJ006-01

STATE :NJ  
DATA BASE NAME :Public Open Space and Outdoor Recreation Facilities  
SUBJECT COVERAGE :Recreation  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base is in early stages of development. The

following information is based on intended plans and therefore may be changed by the time the system is operational. Eventual plans include tying the system together with the NJDEP Geographic Information System, (see NJ010-01)

AGENCY :NJ Green Acres Program  
RESPONDENT :Robert S. Stokes, Bureau Chief, Open Space and Recreation Resource Planning  
Green Acres Program  
NJ Department of Environmental Protection  
1301 Parkside Avenue, CN 404  
Trenton, NJ 08625  
Telephone: 609-890-9040  
OTHER CONTACTS :Bernia Lechner, Administrator, Green Acres Program  
Telephone: 609-292-2454

#### COMPUTER FACILITIES

COMPUTER(S) :APPLE IIe  
RESIDENCE :In-house  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE IIe - Two  
SYSTEM CAPACITY :Main memory: 64 bytes  
Disc storage: 16 bytes  
Simultaneous users supported: 2  
LANGUAGE(S) :BASIC  
FORTRAN  
PASCAL  
SPECIALIZED SOFTWARE :VISAICALC IIe  
QUICK FILE IIe  
PERIPHERAL DEVICES :Monochrome graphics CRT's (2), dot matrix printer  
with graphics, hard copy terminals (2)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -  
public open space  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Undetermined  
MINIMUM RESOLUTION :Township/municipality  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Still determining equipment capabilities, data needs,  
and potential interrelationships with other data  
systems within DEP

DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY

:Primary  
:Moderate to low  
:New data on open space acquisitions and recreation facility development funded by Green Acres Office is inserted continuously; complete recheck every 5 years

DATE OF INFORMATION :10/12/83  
PAPER FILE NUMBER :NJ15

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NJ006-01

CODE :NJ007-01

STATE :NJ  
DATA BASE NAME :DEPPFINV and DistFw  
SUBJECT COVERAGE :Forestry  
GEOGRAPHIC COVERAGE :All of the forest fire service area in the state (most  
of the state is included)  
AGENCY :NJ Division of Parks and Forestry  
RESPONDENT :Thomas F. Miller, Assistant Forester (Fire)  
Division of Parks and Forestry  
NJ Department of Environmental Protection  
Room 713, John Fitch Plaza, CN 404  
Trenton, NJ 08625  
Telephone: 609-292-2977

COMPUTER FACILITIES

COMPUTER(S) :IBM 1130  
RESIDENCE :Department of Transportation  
OPERATION :Interactive  
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
forest fire control, section boundaries  
GEOGRAPHIC COVERAGE :All forest fire service areas in NJ  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :15 seconds by 15 seconds  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps (1 inch = 4 miles)  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous

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USER FEES POLICY :Fees are charged for all products and services  
according to a fee schedule  
DATE OF INFORMATION :10/26/83  
PAPER FILE NUMBER :NJ16

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NJ007-01

STATE :NJ  
 DATA BASE NAME :State Forest Inventories  
 SUBJECT COVERAGE :Forest resources - description and location of forests  
 GEOGRAPHIC COVERAGE :State forests and parks in NJ  
 AGENCY :NJ Bureau of Forest Management  
 RESPONDENT :Margaret M. Meade, Forester  
 Bureau of Forest Management  
 NJ Department of Environmental Protection  
 Room 713, C & I Building, CN 404  
 Trenton, NJ 08625  
 Telephone: 609-292-2532

COMPUTER FACILITIES

COMPUTER(S) :OSBORNE I  
 IBM 370  
 RESIDENCE :In-house, Department of Transportation's IBM  
 mainframe, occasional use of Rutgers University  
 Educational Computer Network (ECN), and Telemail-  
 electronic mail system  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CP/M  
 SYSTEM CAPACITY :Main memory: 65,536 bytes  
 Disc storage: 250 K  
 LANGUAGE(S) :BASIC  
 SPECIALIZED SOFTWARE :WORDSTAR  
 SUPERCALC  
 PERIPHERAL DEVICES :Dot matrix printer with graphics, hard copy  
 terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 forested land: species, quality/condition, biomass/  
 volume, age  
 GEOGRAPHIC COVERAGE :State forests and parks: Voorhees, High Point,  
 Lebanon, Belleplain, Stokes  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :Plots of approximately 23 acres  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 10 years  
 CLASSIFICATION :Society of American Foresters "Forest Cover Types of  
 North America", also used Pinelands Commission cover  
 types for South Jersey

USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/24/83  
 PAPER FILE NUMBER :NJ17

STATE :NJ  
 DATA BASE NAME :Well Permits  
 SUBJECT COVERAGE :Permits to drill groundwater wells  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Processing of well permits is currently under way.  
 Automation of the data will not be done for quite a  
 while because of the volume of the data, staffing,  
 and programming. Eventually the data will be entered  
 in the USGS Water Resource Office in Trenton.  
 AGENCY :NJ Bureau of Water Allocation  
 RESPONDENT :Carol Lucey, Supr. Geologist  
 Bureau of Water Allocation  
 NJ Department of Environmental Protection  
 1474 Prospect Street, CN 029  
 Trenton, NJ 08625  
 Telephone: 609-984-6831

COMPUTER FACILITIES

COMPUTER(S) :TRS Model 111  
 TRS Model IV  
 RESIDENCE :In-house  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 48 RAM  
 Disc storage: 400 K  
 LANGUAGE(S) :BASIC  
 SPECIALIZED SOFTWARE :PROFILE  
 VISICALC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
 permits to drill, location, proposed depth, yield,  
 owner, facility address, use, method of drilling  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :NJ Rectangular Coordinate System  
 MINIMUM RESOLUTION :Ownership unit  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Statistical summaries, composite mapping  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Continuous  
 COMMENTS :Some data sent to USGS

USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :9/21/83  
 PAPER FILE NUMBER :NJ7

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CODE :NJ009-02

STATE :NJ  
DATA BASE NAME :Diversiion Allocation Files  
SUBJECT COVERAGE :Water usage data, ground and surface  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data is being automated and sent to USGS in Trenton  
AGENCY :NJ Bureau of Water Allocation  
RESPONDENT :Carol Lucey, Supr. Geologist  
Bureau of Water Allocation  
NJ Department of Environmental Protection  
1474 Prospect Street, CN 029  
Trenton, NJ 08625  
Telephone: 609-984-6831

OUTPUT PRODUCTS :Maps - variable scale, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annual  
COMMENTS :Data are supplied to USGS Water Use Program - WATSTORE

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USER FEES POLICY :Products and services available at no charge  
DATE OF INFORMATION :9/21/83  
PAPER FILE NUMBER :NJ7

COMPUTER FACILITIES

COMPUTER(S) :TRS Model III  
TRS Model IV  
RESIDENCE :In-house  
USGS water computer in Trenton  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 48 K  
Disc storage: 400 K  
LANGUAGE(S) :BASIC  
SPECIALIZED SOFTWARE :PROFILE  
VISICALC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
quantity, discharge/pumpage, water rights, use  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Ownership unit  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annual  
COMMENTS :Data are supplied to USGS Water Use Program - WATSTORE

DATA CATEGORY NAME :Surface water hydrology -  
discharge/volume/stage, water rights, use  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Ownership unit  
DATA STORAGE FORMAT :Coordinate point

ORIGINAL PAGE IS  
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NJ009-02

CODE :NJ009-03

STATE :NJ  
DATA BASE NAME :Well Records  
SUBJECT COVERAGE :Data on groundwater wells  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Well records for large capacity wells in USGS study areas  
are in GHSI, the USGS Groundwater Site Inventory data base  
in Reston, VA  
AGENCY :NJ Bureau of Water Allocation  
RESPONDENT :Carol Lucey, Supr. Geologist  
Bureau of Water Allocation  
NJ Department of Environmental Protection  
1474 Prospect Street, CN 029  
Trenton, NJ 08625  
Telephone: 609-984-6831

COMPUTER FACILITIES

RESIDENCE :USGS, Reston, VA

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
wells: location, owner, description of well cons-  
truction, water flow and pumpage, water use, quality  
of water  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Point

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DATE OF INFORMATION :9/21/83  
PAPER FILE NUMBER :NJ7

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NJ009-03

CODE :NJ010-01

STATE :NJ  
DATA BASE NAME :DEP Geographic Data Base  
SUBJECT COVERAGE :Boundaries, soils, and land cover data  
GEOGRAPHIC COVERAGE :Statewide base data, portions of the state for other data  
STATUS :The Office of Science and Research has a GIS in the preliminary stages of development. They also serve as consultant to divisions of the Department of Environmental Protection, providing information on the implementation of existing software programs, eg. MAP - their baseline data, each division can then overlay their data onto this standardized base.  
AGENCY RESPONDENT :NJ Office of Science and Research  
:Robert F. Mills, Manager  
:Geographic and Statistical Analysis Unit  
:Office of Science and Research  
:NJ Department of Environmental Protection  
:190 West State Street, CN 402  
:Trenton, NJ 08625  
:Telephone: 609-984-6072  
OTHER CONTACTS :Thomas A. Burke, Director, Office of Science and Research  
:Telephone: 609-984-6070

#### COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052  
:DEANZA  
:DEC LSI 11  
:IBM 3033  
RESIDENCE :In-house  
:Department of Transportation Data Center (IBM 3033)  
OPERATION :Interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
:Assembler  
:APL  
PERIPHERAL DEVICES :Color raster graphics CRT with light pen, screen recorder

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries -  
:counties, watersheds, municipalities, islands  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
DATA STORAGE FORMAT :Polygon

DATA CATEGORY NAME :Soils data  
GEOGRAPHIC COVERAGE :Hunterdon County, Atlantic County, Burlington County, Cape May County, Middlesex County, Monmouth County, Ocean County (about half of the state)  
DATA SOURCES :Secondary  
COMMENTS :Data from SCS' Advanced Mapping System

DATA CATEGORY NAME :Land cover -  
:barren land/extractive, forest land, water, wetlands, pasture/vacant, suburban/residential, urban/industrial/commercial  
GEOGRAPHIC COVERAGE :31 percent of the state  
MINIMUM RESOLUTION :1.1 acre  
DATA SOURCES :Primary  
CLASSIFICATION :Level I, USGS  
COMMENTS :Data are from a 208 Water Quality Management Planning Project  
:Source data: Landsat MSS tapes

DOCUMENTATION :An Operational English Dialogue System for Statewide Integration of Polygon and Landsat Data" by Robert Mills, 1978  
:"Operational Analysis of a Geographic Information System in New Jersey" by Robert Mills and John Dwyer  
DATE OF INFORMATION :9/14/83  
PAPER FILE NUMBER :NJ1

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NJ010-01



CODE :NM001-01

STATE :NM  
 DATA BASE NAME :NM Natural Resources Information System - Site Specific  
 DATA BASE ACRONYM :NRIS  
 SUBJECT COVERAGE :Energy, recreation, wildlife, vegetation, vegetative cover, soils data, land ownership, groundwater, and paleontology  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The NM Natural Resources Department and the Technology Application Center (TAC) at the University of New Mexico jointly developed the NM Natural Resources Information System. The NM Natural Resources Department manages site specific data. Refer to CODE: NM002-01 for information regarding regional data handled by the Technology Application Center. Data modules on wetlands and archaeology are planned for entry into this portion of the system in the near future.  
 AGENCY RESPONDENT :NM Natural Resources Department  
 :Bill Isaacs, Bureau Chief  
 NM Natural Resources Information System  
 NM Natural Resources Department  
 Villagra Building  
 Santa Fe, NM 87503  
 Telephone: 505-827-7830  
 OTHER CONTACTS :Fred Gross III, Systems Analyst  
 Telephone: 505-827-7872

#### COMPUTER FACILITIES

COMPUTER(S) :AMDahl 470/V6  
 HP 3000  
 DEC ISI/O3  
 RESIDENCE :In-house; New Mexico State University  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (4), hard copy terminals (3)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy - coal/lignite resources, ownership, production, geo-thermal resources  
 GEOGRAPHIC COVERAGE :Northwestern portion of the State (parts of McKinley, Rio Arriba, Sandoval, San Juan and Valencia counties); also parts of Colfax and Union counties in northeastern New Mexico  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4 section; section; township; county  
 DATA STORAGE FORMAT :Coordinate point

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 CONFIDENTIALITY :Information on coal depth and thickness is subject to restricted access

DATA CATEGORY NAME :Recreation - facilities  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Site specific; section; township; county; management unit  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, statistical summaries, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annually

DATA CATEGORY NAME :Wildlife - mammals, birds, fish, reptiles, amphibians, game, non-game, populations, threatened species, endangered species  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Weekly  
 CONFIDENTIALITY :Data on threatened and endangered species are subject to restricted access

DATA CATEGORY NAME :Vegetation - species, communities, rare species, endangered species  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county; management unit  
 DATA STORAGE FORMAT :Coordinate point

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NM001-01

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Weekly  
 CONFIDENTIALITY :Data on rare and endangered species are subject to restricted access

DATA CATEGORY NAME :Soils data - type, series, association, productivity, erosion, conservation measures  
 GEOGRAPHIC COVERAGE :Northwestern portion of the State (parts of McKinley, Rio Arriba, Sandoval, San Juan and Valencia counties)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 PUBLIC Land Survey  
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Vegetative cover - presence, composition, density, cover percent, frequency  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 PUBLIC Land Survey  
 MINIMUM RESOLUTION :Site specific; 1/4 section; section; township; county; management unit  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Land ownership  
 GEOGRAPHIC COVERAGE :Northwestern portion of the State (parts of McKinley, Rio Arriba, Sandoval, San Juan and Valencia counties)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 PUBLIC Land Survey  
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county; management unit; ownership unit

DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Groundwater - quantity, quality, recharge, discharge/pumpage, well location, water rights  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 PUBLIC Land Survey  
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county; management unit; ownership unit; watershed or river basin  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Paleontology - collector, institution, species, additional fossils, stratum identification, deposit, geologic period  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 PUBLIC Land Survey  
 MINIMUM RESOLUTION :Site specific; county; ownership unit  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (one scale only); computer tape, composite mapping  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :On an as-needed basis  
 CONFIDENTIALITY :Most records are published  
 COMMENTS :Data are routinely supplied to the USDI Bureau of Land Management; 4,000 records are currently in the data base, 6,000 records will be added in the near future

DOCUMENTATION :General information and descriptions of hardware, software, data structure, data assessment procedures, data encoding format/procedures, and data types are available  
 USER FEES POLICY :Fees charged for all products and services according to a fee schedule  
 DATE OF INFORMATION :9/2/83  
 PAPER FILE NUMBER :NM1

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NM001-01  
 (cont.)

CODE :NM002-01

STATE :NM  
 DATA BASE NAME :NM Natural Resources Information System - Regional Data  
 DATA BASE ACRONYM :NRIS  
 SUBJECT COVERAGE :Base data, soils data, national monuments, land ownership, geology, mineral leases, wildlife and vegetation  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The Technology Application Center (TAC) and the NM Natural Resources Department jointly developed the NM Natural Resources Information System. TAC manages regional data. Refer to CODE: NM001-01 for information regarding site specific data handled by the NM Natural Resources Department  
 AGENCY RESPONDENT :Technology Application Center (TAC)  
 Ted L. Talmon, Remote Sensing Specialist  
 Technology Application Center  
 University of New Mexico  
 2500 Central Avenue Southeast  
 Albuquerque, NM 87131  
 Telephone: 505-277-3622  
 OTHER CONTACTS :Michael H. Inglis, Associate Director  
 Dr. Stanley A. Morain, Director

#### COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/750  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :VMS  
 SYSTEM CAPACITY :Main memory: 2 million bytes  
 Disc storage: 162 million bytes  
 LANGUAGE(S) :FORTRAN  
 Assembler  
 SPECIALIZED SOFTWARE :ELAS  
 PERIPHERAL DEVICES :Color image display, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, hard copy terminal

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data - boundaries, state, counties, watersheds, river basins, roads  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1:100,000-scale USGS series maps  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale, 1:24,000-scale), computer tape,

modelling capability, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Not yet determined  
 CLASSIFICATION :Roads classified as primary, secondary, tertiary

DATA CATEGORY NAME :Soils data - association  
 GEOGRAPHIC COVERAGE :Statewide eventually; Bernalillo, Colfax and most of San Juan counties are complete  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :By county  
 DATA STORAGE FORMAT :Grid, polygon, coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale; 1:24,000-scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 CLASSIFICATION :SCS Soil Classification

DATA CATEGORY NAME :National monuments - soils, vegetation, roads, monument boundaries, archaeological sites, historic roads, prehistoric roads  
 GEOGRAPHIC COVERAGE :Chaco Canyon (San Juan County)  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1:24,000-scale  
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps (variable scale; 1:24,000-scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only (1982)  
 CONFIDENTIALITY :Data on archaeological sites are subject to restricted access

DATA CATEGORY NAME :Land ownership - public, state, private, Indian  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :1/4 section; management unit  
 DATA STORAGE FORMAT :Grid, polygon, coordinate point  
 OUTPUT PRODUCTS :Maps (1:24,000-scale), computer tape, modelling capa-

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NM002-01

DATA SOURCES :bility, statistical summaries, composite mapping,  
 LEVEL OF RELIABILITY :interactive video display capability  
 UPDATE FREQUENCY :Secondary  
 CLASSIFICATION :Low  
 :Not known  
 :State/Federal/Indian/Private

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DATA CATEGORY NAME :Geology -  
 GEOGRAPHIC COVERAGE :surficial geology  
 GEOGRAPHIC REFERENCE :Fruitland Coal Formation (eastern San Juan County)  
 MINIMUM RESOLUTION :Universal Transverse Mercator  
 DATA STORAGE FORMAT :7 1/2' topographic quadrangle  
 OUTPUT PRODUCTS :Grid, polygon, coordinate point, tabular  
 :Maps (1:24,000-scale), graphics, computer tape, model-  
 :ling capability, statistical summaries, composite map-  
 :ping, interactive video display capability

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only

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DATA CATEGORY NAME :Mineral leases -  
 GEOGRAPHIC COVERAGE :vegetation, drainage, cross sections, soils, surface  
 GEOGRAPHIC REFERENCE :geology, well locations, habitat, coal  
 MINIMUM RESOLUTION :lease areas in a small part of San Juan County  
 DATA STORAGE FORMAT :Universal Transverse Mercator  
 OUTPUT PRODUCTS :7 1/2' topographic quadrangle  
 :Grid, polygon, coordinate point, tabular  
 :Maps (variable scale), graphics, computer tape,  
 :modelling capability, statistical summaries, composite  
 :mapping, interactive video display capability

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Not known  
 CONFIDENTIALITY :Coal seam and geophysical data are subject to re-  
 :stricted access

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DATA CATEGORY NAME :Wildlife -  
 GEOGRAPHIC COVERAGE :game mammals, game birds, populations, management,  
 GEOGRAPHIC REFERENCE :habitat, threatened species, endangered species,  
 MINIMUM RESOLUTION :elk, deer, antelope, management units  
 DATA STORAGE FORMAT :Statewide  
 OUTPUT PRODUCTS :Universal Transverse Mercator  
 :1:100,000-scale; management unit  
 :Grid, polygon, coordinate point, tabular  
 :Maps (variable scale; 1:24,000-scale), graphics, com-  
 :puter tape, modelling capability, statistical sum-  
 :maries, composite mapping, interactive video display  
 :capability

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 5 years

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DATA CATEGORY NAME :Vegetation  
 GEOGRAPHIC COVERAGE :Rio Puerco/Rio Salado watersheds, Sargent Wildlife  
 :Area, Lincoln National Forest, Mt. Taylor, San Juan  
 :Basin, Cuchillo  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :By management unit; by watershed or river basin  
 DATA STORAGE FORMAT :Polygon, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
 :tape, modelling capability, statistical summaries,  
 :composite mapping, interactive video display capa-  
 :bility

DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One time only

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DOCUMENTATION :General information and newsletter available; also des-  
 :criptions of hardware, software and data types  
 USER FEES POLICY :Fees charged on a cost recovery basis (no policy estab-  
 :lished)  
 DATE OF INFORMATION :8/5/83  
 PAPER FILE NUMBER :NN5

ORIGINAL PAGE IS  
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CODE :NM003-01

STATE :NM  
DATA BASE NAME :NM State Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of New Mexico and The Nature Conservancy, a nation nonprofit conservation organization.  
AGENCY :NM Department of Game and Fish  
RESPONDENT :Rex Wahl, Coordinator/Zoologist  
NM State Heritage Program  
NM Department of Game and Fish  
Villagra Building  
Santa Fe, NM 87503  
Telephone: 505-827-5531  
OTHER CONTACTS :Paul Knight, Botanist  
:Fred Gross, Computer Programmer/Analyst  
:Therese Ryan, Data Handler  
:Lynn Martinez, Data Handler/Secretary  
:Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :NM7

ORIGINAL PAGE 13  
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NM003-01

CODE :NV001-01

STATE :NV  
DATA BASE NAME :Status, Trends and Utilization of NV Wildlife  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :NV Department of Wildlife  
RESPONDENT :William Molini, Director  
NV Department of Wildlife  
1100 Valley Road  
PO Box 10678  
Reno, NV 89520  
Telephone: 702-789-0500  
OTHER CONTACTS :George Tsukamoto, Chief of Game  
Telephone: 702-789-0500  
Fred Dugger, Director, Dept. Data Processing  
Telephone: 702-885-4091  
Natalie Bellis, Programmer/Analyst  
Telephone: 702-885-5829  
Art Crosby, Computer Facility Manager  
Telephone: 702-885-4300

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
Converting to by July 1984:  
IBM 3083  
RESIDENCE :Department of Data Processing  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (5), line printer (character graphics), hard copy terminal

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
Game - mammals, birds, and fish; populations; management; harvest; hunter effort; success by species  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
Management area  
MINIMUM RESOLUTION :Management area  
DATA STORAGE FORMAT :Tabular, encoded by management area  
OUTPUT PRODUCTS :Modelling capability, tables, graphics, statistical summaries, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annual  
CLASSIFICATION :Internal  
COMMENTS :Summary on paper provided to The Denver Research Library

DOCUMENTATION :Information on data structure; and  
Nevada Game Harvest Statistics 1982-83" NV Department  
of Wildlife, Game Division  
USER FEES POLICY :Fees are charged for all products and services according  
to a fee schedule  
DATE OF INFORMATION :10/25/83  
PAPER FILE NUMBER :NV11

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NV001-01

CODE :NY001-01

Information" for details; the classification includes 30 vegetative cover types, 28 land use types

STATE :NY  
DATA BASE NAME :Urban Wildlife Habitat Inventory  
SUBJECT COVERAGE :Wildlife, base data, demography  
GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State  
STATUS :The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data in this system as well as the Significant Habitats Inventory data base (NY002-01), Freshwater Wetlands Inventory data base (NY003-01) and Breeding Bird Atlas (NY004-01)  
AGENCY :NYS Department of Environmental Conservation  
RESPONDENT :Michael J. Matthews, Assistant Research Scientist  
NYS Department of Environmental Conservation  
Wildlife Resources Center  
Game Farm Road  
Delmar, NY 12054  
Telephone: 518-439-0943  
OTHER CONTACTS :Sharon O'Connor, Research Associate  
Telephone: 518-457-3431

#### COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL  
TRS-80 Model 12  
RESIDENCE :General Electric (HONEYWELL); in-house (TRS-80 Model 12)  
OPERATION :Interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer, line printer, dot matrix printer with graphics, drum pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
habitat, vegetative cover type, land use  
GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State: New York City, Nassau County, western Suffolk County, southern Westchester County, Albany, Schenectady, Troy, Rome, Utica, Rochester, Buffalo, Syracuse, Binghamton  
GEOGRAPHIC REFERENCE :New York Transverse Mercator  
Census tract  
MINIMUM RESOLUTION :1 acre usually; minimum mapping unit: census tract  
DATA STORAGE FORMAT :Coordinate point, tabular  
OUTPUT PRODUCTS :Maps (1" = 800'), tables, statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
CLASSIFICATION :Refer to "Urban Wildlife Inventory Map Overlay User

DATA CATEGORY NAME :Base data -  
census tracts  
GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State  
GEOGRAPHIC REFERENCE :New York Transverse Mercator  
Census tract  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Maps (1" = 800')  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Demography -  
populations, social aspects, economic aspects  
GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State  
GEOGRAPHIC REFERENCE :New York Transverse Mercator  
OUTPUT PRODUCTS :Maps (1" = 800'), tables, statistical summaries  
DATA SOURCES :Secondary

DOCUMENTATION : "New York State's Urban Wildlife Habitat Inventory"(1980);  
"Wildlife Habitat Inventories: A Review of New York State's Procedures"; and "Urban Wildlife Habitat Inventory Map Overlay User Information  
USER FEES POLICY :Products and services available at no charge, except for mylar copies of maps  
DATE OF INFORMATION :12/11/83  
PAPER FILE NUMBER :NY10

ORIGINAL PAGE 12  
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NY001-01

CODE :NY002-01

STATE :NY  
DATA BASE NAME :Significant Habitats Inventory  
SUBJECT COVERAGE :Wildlife, vegetation  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This is an ongoing inventory (not systematic); data are collected and updated on a daily basis. The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data from this data base, as well as the Urban Wildlife Habitat Inventory (Code: NY001-01), the Freshwater Wetlands Inventory data base (Code: NY003-01), and the Breeding Bird Atlas (Code: NY004-01).  
AGENCY :NYS Department of Environmental Conservation  
RESPONDENT :John W. Ozard, Assistant Research Scientist  
NYS Department of Environmental Conservation  
Wildlife Resources Center  
Game Farm Road  
Delmar, NY 12054  
Telephone: 518-439-4165

#### COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL,  
TRS-80 Model 12  
RESIDENCE :General Electric (HONEYWELL); in-house (TRS-80 Model 12)  
OPERATION :Interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer, line printer, dot matrix printer with graphics, drum pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - mammals, birds, fish, marine/estuarial, reptiles, amphibians, game, non-game, habitat, threatened species, endangered species, significant habitats, major urban wildlife habitats  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :New York Transverse Mercator  
MINIMUM RESOLUTION :Site specific; by township; by county  
DATA STORAGE FORMAT :Coordinate point (centroid of area is stored in the system with an associated acreage estimate)  
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY  
CONFIDENTIALITY

:Continuously  
:Endangered and threatened wildlife species habitat locations are subject to restricted access (at the discretion of the Significant Habitat Unit)  
:Refer to "User's Guide and Order Form for Significant Habitat Maps and Overlays" for details

CLASSIFICATION

DATA CATEGORY NAME

:Vegetation - species, communities, rare and endangered, significant habitats

GEOGRAPHIC COVERAGE

:Statewide

GEOGRAPHIC REFERENCE

:New York Transverse Mercator

MINIMUM RESOLUTION

:Site specific; by township; by county

DATA STORAGE FORMAT

:Coordinate point

OUTPUT PRODUCTS

:Maps (variable scale), tables, statistical summaries

DATA SOURCES

:Primary and secondary

LEVEL OF RELIABILITY

:Moderate

UPDATE FREQUENCY

:Continuously

CONFIDENTIALITY

:Endangered and threatened wildlife species habitat locations are subject to restricted access (at the discretion of the Significant Habitat Unit)

CLASSIFICATION

:Same as for Wildlife (see above)

COMMENTS

:Data collected for species, communities, and rare and endangered species are limited

DOCUMENTATION

: "Identifying Significant Habitats in New York" (October 1979); "User's Guide and Order Form for Significant Habitat Maps and Overlays" (1983); general information

USER FEES POLICY

:Products and services available at no charge, except for mylar copies of maps

DATE OF INFORMATION

:8/11/83

PAPER FILE NUMBER

:NY11-1

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NY002-01



CODE :NY003-01

STATE :NY  
DATA BASE NAME :Freshwater Wetlands Inventory  
SUBJECT COVERAGE :Wetlands  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This inventory provides a basis for regulatory maps and for a preliminary regulatory classification of wetlands. The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data from this system, as well as from the Urban Wildlife Habitat Inventory data base (Code: NY001-01), the Significant Habitats Inventory (Code: NY002-01), and the Breeding Bird Atlas (Code: NY004-01).  
AGENCY RESPONDENT :NY Department of Environmental Conservation  
:Sharon O'Connor, Research Support Specialist  
NY Department of Environmental Conservation  
Habitat Inventory Unit, Room 532  
50 Wolf Road  
Albany, NY 12233-0001  
Telephone: 518-457-3431

#### COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL  
TRS-80 Model 12  
RESIDENCE :General Electric (HONEYWELL); in-house (TRS-80 Model 12)  
OPERATION :Interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
line printer, dot matrix printer with graphics,  
drum pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wetlands -  
wildlife habitat, vegetation cover type, areas, perimeter, shape index, compass index, amount of contact between wet/dry land, human influences, special characteristics  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :New York Transverse Mercator  
County  
Town  
Village  
MINIMUM RESOLUTION :1/2 acre  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables; maps can be manually reproduced on diazo sheets

DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Unknown at this time; 1968 aerial photography used for this inventory  
CLASSIFICATION :Refer to "Freshwater Wetlands Inventory Technical Manual" for details

DOCUMENTATION :Technical manual available  
USER FEE POLICY :Products and services available at no charge, except for mylar copies of maps  
DATE OF INFORMATION :8/11/83  
PAPER FILE NUMBER :NY12-1

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NY003-01

CODE :NY004-01

STATE :NY  
DATA BASE NAME :Breeding Bird Atlas  
SUBJECT COVERAGE :Birds  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data in this system, as well as the Urban Wildlife Habitat Inventory data base (Code: NY001-01), Significant Habitats Inventory data base (Code: NY002-01), and the Freshwater Wetlands Inventory data base (Code: NY003-01).  
AGENCY :NY Department of Environmental Conservation  
RESPONDENT :Janet Carroll, Environmental Education Assistant  
NY Department of Environmental Conservation  
50 Wolf Road  
Albany, NY 12233-0001  
Telephone: 518-439-7486  
OTHER CONTACTS :Vince Grilli, Programmer  
Telephone: 518-457-9194  
Bart Guetti, Research Associate  
Telephone: 518-457-3431

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL  
RESIDENCE :Use central government computer center)  
OPERATION :Batch  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
line printer, dot matrix printer with graphics,  
drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
game birds, non-game birds  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :New York Transverse Mercator  
MINIMUM RESOLUTION :5 km x 5 km (contiguous survey areas)  
DATA STORAGE FORMAT :Coordinate point, tabular  
OUTPUT PRODUCTS :Maps (variable scale), tables, composite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Five-year project (1980-1984); update frequency unknown at this time  
CONFIDENTIALITY :Data are the property of the Federation of New York State Bird Clubs; use is restricted until published

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DOCUMENTATION :New York State Breeding Bird Atlas: Handbook for Workers"  
(1981)  
DATE OF INFORMATION :8/11/83  
PAPER FILE NUMBER :NY13

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NY004-01

CODE :NY005-01

STATE :NY  
 DATA BASE NAME :NYS Adirondack Park Agency Data Base  
 SUBJECT COVERAGE :land use, land cover, transportation, unique areas, demography, soils  
 GEOGRAPHIC COVERAGE :Adirondack Park  
 AGENCY :NYS Adirondack Park Agency  
 RESPONDENT :Raymond P. Curran, Supervisor, Natural Resource Analysis  
 NYS Adirondack Park Agency  
 PO Box 99  
 Ray Brook, NY 12977  
 Telephone: 518-891-4050  
 OTHER CONTACTS :Vincent J. Moore, Executive Director  
 John S. Banta, Director of Planning

#### COMPUTER FACILITIES

COMPUTER(S) :ERDAS 400  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :CP/M  
 SYSTEM CAPACITY :Main memory: 64 KB  
 Disc storage: 96 MB  
 Simultaneous users supported: 1  
 LANGUAGE(S) :FORTRAN  
 SPECIALIZED SOFTWARE :ERDAS  
 DBASE II  
 MULTIPLAN  
 DGRAPH  
 PERIPHERAL DEVICES :Color image display, line following digitizer,  
 dot matrix printer with graphics

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
 timber, mineral extraction/energy production, live-  
 stock production, urban/built-up, recreation, parks,  
 ownership  
 GEOGRAPHIC COVERAGE :Adirondack Park (Northeastern NYS)  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 acre  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, statistical summaries, com-  
 posite mapping, interactive video display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Monthly, last update: 1983

#### DATA CATEGORY NAME

GEOGRAPHIC COVERAGE  
 GEOGRAPHIC REFERENCE  
 MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

DATA SOURCES  
 LEVEL OF RELIABILITY  
 UPDATE FREQUENCY

:Land use areas -  
 zoning districts determined by state legislature for  
 state owned and privately owned lands of the Park  
 :Adirondack Park (Northeastern NYS)  
 :Universal Transverse Mercator  
 :1 acre  
 :Grid  
 :Maps - variable scale, statistical summaries, com-  
 posite mapping, interactive video display capability  
 :Primary  
 :Moderate  
 :Monthly

#### DATA CATEGORY NAME

GEOGRAPHIC COVERAGE  
 GEOGRAPHIC REFERENCE  
 MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

DATA SOURCES  
 LEVEL OF RELIABILITY  
 UPDATE FREQUENCY

:land cover -  
 barren land, forest land, water, urban/built-up  
 :Adirondack Park (Northeastern NYS)  
 :Universal Transverse Mercator  
 :1 acre  
 :Grid  
 :Maps - variable scale, graphics, statistical sum-  
 maries, composite mapping, interactive video display,  
 computer tape  
 :Primary  
 :Moderate  
 :Every 5 years, last update: 1978

#### DATA CATEGORY NAME

GEOGRAPHIC COVERAGE  
 GEOGRAPHIC REFERENCE  
 MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

DATA SOURCES  
 LEVEL OF RELIABILITY  
 UPDATE FREQUENCY

:Transportation -  
 State roads, federal, county, town  
 :Adirondack Park (Northeastern NYS)  
 :Universal Transverse Mercator  
 :1 acre  
 :Grid  
 :Maps - variable scale, statistical summaries, com-  
 posite mapping, interactive video display capability  
 :Secondary  
 :High  
 :Every 5 years, last update: 1983

#### DATA CATEGORY NAME

GEOGRAPHIC COVERAGE  
 GEOGRAPHIC REFERENCE  
 MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

DATA SOURCES  
 LEVEL OF RELIABILITY

:Unique areas -  
 unique natural areas, historic sites  
 :Adirondack Park (Northeastern NYS)  
 :Universal Transverse Mercator  
 :1 acre  
 :Grid  
 :Maps - variable scale, statistical summaries, com-  
 posite mapping, interactive video display capability  
 :Primary  
 :High

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UPDATE FREQUENCY :Biennially, last update: 1982  
CONFIDENTIALITY :Rare and endangered species are subject to restricted  
access  
COMMENTS :Data may be incomplete

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DATA CATEGORY NAME :Demography -  
populations, economic aspects  
GEOGRAPHIC COVERAGE :Adirondack Park (Northeastern NYS)  
GEOGRAPHIC REFERENCE :Municipality  
MINIMUM RESOLUTION :County, township  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Every 10 years, last update: 1980

-----  
DATA CATEGORY NAME :Soils data -  
association, meso-soils  
GEOGRAPHIC COVERAGE :Essex and Clinton Counties within Adirondack Park  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :1 acre  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps - variable scale, statistical summaries, com-  
posite mapping, interactive video display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :As new information is available, last update: 1983  
CLASSIFICATION :SCS - USDA

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USER FILE POLICY :No policy established  
DATE OF INFORMATION :12/14/83  
PAPER FILE NUMBER :NY9

CODE :OH001-01

STATE :OH  
 DATA BASE NAME :OH Capability Analysis Program  
 DATA BASE ACRONYM :OCAP  
 SUBJECT COVERAGE :Soils data, land cover/land use, base data, groundwater, geology, mining, agricultural lands, natural areas, cultural resources, hazards, flood areas, wildlife and environmental quality  
 GEOGRAPHIC COVERAGE :Thirty-seven counties; coastal zone management areas; special project areas  
 STATUS :OCAP is a natural resource information system developed by the Ohio Department of Natural Resources to analyze land and water resources and determine their potential for supporting alternative land uses. OCAP is being used in conjunction with the Ohio Lake Erie Coastal Zone Management Program, 208 Area-wide Water Quality Planning, a cooperative project with NASA for Landsat land use inventory, and in 50/50 cost sharing agreements with counties in Ohio. Projects are completed on a county or special project area basis; subject coverage varies depending on the county  
 AGENCY RESPONDENT :OH Department of Natural Resources  
 :Terry L. Wells, Community Services Planner  
 OH Capability Analysis Program  
 Division of Soil and Water Conservation  
 OH Department of Natural Resources  
 Fountain Square, Building E  
 Columbus, OH 43224  
 Telephone: 614-265-6777  
 OTHER CONTACTS :Wayne E. Channell, Administrator  
 Telephone: 614-265-6778

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
 RESIDENCE :OH Department of Administrative Services, Division of Computer & Information System  
 OPERATION :Batch  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

LANGUAGE(S) :PL/I  
 PERIPHERAL DEVICES :Mechanical digitizers (3), line printer, alpha-numeric CRTs (3)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils data - type, engineering properties, limitations, detailed soils, erosion potential, septic tank limitation, sanitary landfill analysis, soil loss, soil loss potential,

#### GEOGRAPHIC COVERAGE

soil mapping units, slope, soil slippage analysis, estimated soil loss for agricultural land, erosion class, permeability, potential for facility construction, suitability for land filling, homesite limitation, capability analysis, soil matrix

:Thirty-four full counties and portions of two others (Allen, Ashland, Ashtabula, Belmont, Champaign, Clark, Clinton, Cuyahoga, Darke, Defiance, Delaware, Franklin, western half of Geauga, Green, Hancock, Lake, Logan, Lorain, Madison, Mahoning, Medina, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Stark, Summit, southern third of Trumbull, Union, Van Wert, Washington and Wyandot counties

#### GEOGRAPHIC REFERENCE

##### MINIMUM RESOLUTION

##### DATA STORAGE FORMAT

##### OUTPUT PRODUCTS

##### DATA SOURCES

##### LEVEL OF RELIABILITY

##### UPDATE FREQUENCY

##### CLASSIFICATION

##### COMMENTS

:USGS Quadrangle

:1 acre

:Line segment (i.e. row distance)

:Maps (variable scale), modelling capability, statistical summaries, composite mapping

:Primary and secondary

:High

:On request basis (under contract)

:National standards for soil surveys

:Data variables differ from county to county

#### DATA CATEGORY NAME

:Land use/land cover - barren land, forest land, rangeland, water, wetlands, estuaries, cropland, pasture, urban/built-up, mineral extraction/energy production, livestock production, transportation, recreation, parks, agriculture, industrial development, large scale development

#### GEOGRAPHIC COVERAGE

:Thirty-six counties, coastal zone areas in four other counties (Allen, Ashtabula, Belmont, Butler, Champaign, Clark, Clermont, Clinton, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Hamilton, Lake, Logan, Lorain, Mahoning, Medina, Mercer, Miami, Montgomery, Ottawa, Paulding, Pickaway, Portage, Preble, Ross, Shelby, Summit, Trumbull, Union, Van Wert, Washington and Williams counties; coastal zone portions of Erie, Lucas, Sandusky and Wood counties

#### GEOGRAPHIC REFERENCE

##### MINIMUM RESOLUTION

##### DATA STORAGE FORMAT

##### OUTPUT PRODUCTS

##### DATA SOURCES

##### LEVEL OF RELIABILITY

##### UPDATE FREQUENCY

##### CLASSIFICATION

##### COMMENTS

:USGS Quadrangle

:Site specific; 1 acre

:Line segment (i.e. row distance)

:Maps (variable scale; USGS 7 1/2' base), tables, computer tape, statistical summaries (original data)

:Primary and secondary

:High

:Upon request and agreement to cost share from county

:Ohio Land Use Classification System (extension of the Anderson system)

:Data variables differ from county to county

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OH001-01

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DATA CATEGORY NAME :Ownership  
GEOGRAPHIC COVERAGE :Same as for 'land use/land cover' (see above)  
GEOGRAPHIC REFERENCE :USGS Quadrangle  
MINIMUM RESOLUTION :1 acre  
DATA STORAGE FORMAT :Line segment (i.e. row distance)  
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries

DATA CATEGORY NAME :Base data -  
census tracts, watershed boundaries, water basin boundaries, zoning, political boundaries, sewer service areas, sewer districts, water service areas, traffic zones, townships, municipalities, school districts, neighborhoods, proximity to public water supply, sewage treatment plant sites, rural areas, ditch boundaries, radius from airport terminals, radius from highways, radius from railroads, transportation corridors  
GEOGRAPHIC COVERAGE :Ashtabula, Belmont, Champaign, Clark, Clinton, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Greene, Lake, Logan, Lorain, Madison, Mahoning, Medina, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Stark, Summit, Trumbull, Union and Van Wert counties; coastal zone management areas (portions of Ashtabula, Cuyahoga, Erie, Lake, Lorain, Lucas, Wood, Ottawa and Sandusky counties)  
MINIMUM RESOLUTION :1 acre  
OUTPUT PRODUCTS :Maps (variable scale), modelling capability, statistical summaries, composite mapping  
DATA SOURCES :Primary and secondary  
UPDATE FREQUENCY :Varies  
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Groundwater hydrology -  
quantity, availability, resources, depth to groundwater, aquifer recharge areas  
GEOGRAPHIC COVERAGE :Twenty-three counties (Ashtabula, Clarke, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Greene, Lake, Madison, Mahoning, Medina, Miami, Montgomery, Pickaway, Preble, Portage, Ross, Stark, Summit, Trumbull and Van Wert counties)  
OUTPUT PRODUCTS :Maps (variable scale), modelling capability, statistical summaries, composite mapping  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Geology -  
surficial geology, bedrock geology, geologic units, geo-

logic suitability for solid waste disposal, drift thickness, glacial geology, depth to bedrock, geologic limits for large scale development, geologic limits for sanitary landfills, sand and gravel, surficial material, soil parent material

GEOGRAPHIC COVERAGE :Belmont, Clark, Clinton, Darke, Defiance, Delaware, Franklin, Greene, Madison, Mahoning, Miami, Montgomery, Pickaway, Portage, Preble, Ross, Stark, Summit, Trumbull and Van Wert counties  
OUTPUT PRODUCTS :Maps (variable scale), modelling capability, statistical summaries, composite mapping  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Agricultural lands -  
prime agricultural land, important farmlands, estimated soil loss, unique agricultural land, limitation on agricultural row crops, agricultural capability class, current agricultural use value  
GEOGRAPHIC COVERAGE :Belmont, Champaign, Clark, Clinton, Defiance, Logan, Medina, Ottawa, Pickaway, Portage, Ross, Union and Van Wert counties  
DATA STORAGE FORMAT :Line segment (i.e. row distance)  
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries  
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Natural areas -  
critical areas, natural heritage data  
GEOGRAPHIC COVERAGE :Clark, Clinton, Darke, Defiance, Delaware, Greene, Madison, Mahoning, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Summit, Trumbull and Van Wert counties  
CLASSIFICATION :Data variables differ from county to county

DATA CATEGORY NAME :Mining -  
minelands, abandoned underground mines, mined/unmined, coal reserves, coal lost to mining  
GEOGRAPHIC COVERAGE :Belmont and Stark counties

DATA CATEGORY NAME :Cultural resources -  
natural sites, archaeological sites, historical sites  
GEOGRAPHIC COVERAGE :Cuyahoga Valley National Recreation Area; Darke, Greene, Miami, Montgomery, Preble and Ross counties  
COMMENTS :Data variables differ from county to county

CODE :OH001-01  
(cont'd)

CODE :OH002-01

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DATA CATEGORY NAME :Flood areas -  
flood hazard areas, flooding, flood prone areas, flooding  
potential  
GEOGRAPHIC COVERAGE :Belmont, Champaign, Clark, Cuyahoga, Darke, Defiance,  
Delaware, Franklin, Geauga, Greene, Lake, Logan, Lorain,  
Madison, Mahoning, Medina, Miami, Montgomery, Ottawa,  
Pickaway, Portage, Preble, Ross, Summit, Trumbull and Van  
Wert counties  
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Hazards -  
bird hazards to air traffic  
GEOGRAPHIC COVERAGE :Cuyahoga County

DATA CATEGORY NAME :Wildlife -  
endangered species habitat, wildlife habitat  
GEOGRAPHIC COVERAGE :Cuyahoga, Darke, Greene, Miami, Montgomery, Pickaway  
and Preble counties  
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Environmental quality -  
airport noise areas, water quality planning area  
GEOGRAPHIC COVERAGE :Cuyahoga, Darke, Greene, Miami, Montgomery and  
Preble counties  
COMMENTS :Data variables differ from county to county

DOCUMENTATION : "Land Capability Analysis in Ohio" (brochure); "Procedures  
and Software of the Ohio Capability Analysis Program"  
(March 1980); "Ohio Land Use Land Cover Classification  
System"  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :8/29/83  
PAPER FILE NUMBER :OH14

STATE :OH  
DATA BASE NAME :OH Natural Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort be-  
tween the State of Ohio and The Nature Conservancy, a  
national nonprofit conservation organization.  
AGENCY :OH Department of Natural Resources  
RESPONDENT :Bob McCance, Coordinator  
OH Natural Heritage Program  
OH Department of Natural Resources  
Division of Natural Areas and Preservation  
Fountain Square, Building F  
Columbus, OH 43224  
Telephone: 614-265-6453  
OTHER CONTACTS :Allison Cusick, Botanist  
:Dan Rice, Zoologist  
:Dennis Anderson, Res. Coordinator  
:Pat Jones, Environmental Data Supervisor  
:Reed Noss, Ecologist  
:Anne Filbert, Data Specialist  
:David Spooner, Field Botanist  
:Shellie Gureau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

#### COMPUTER FACILITIES

COMPUTER(S) :IBM

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter avail-  
able through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :OH16

OH001-01  
(cont.)  
OH002-01

CODE :OK001-01

CLASSIFICATION

:Product codes are: oil, condensate, reclaimed oil,  
casinghead gas, natural gas, liquid gas, minerals  
:To date, no minerals have been reported.

COMMENTS

STATE :OK  
DATA BASE NAME :Well Unit Master File  
SUBJECT COVERAGE :Oil and gas  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This data base is also known as the Gross Production  
Central Master (GPCM). Information contained within  
the file is derived from the Department's Form 320.  
The Well Unit Master File interacts with the Detail File  
(Code: OK001-03) and the Claims and Overpayments File  
(Code: OK001-05). Legal descriptions of all leases are  
automatically routed to the Lease Legal Description  
File (Code: OK001-02).  
AGENCY :OK Tax Commission  
RESPONDENT :Donald Friph, User Systems Analyst  
OK Tax Commission  
Gross Production Division  
N.C. Connors Building  
2501 N. Lincoln Boulevard  
Oklahoma City, OK 73104  
Telephone: 405-521-4570

DOCUMENTATION :User instructions (in-house use only)  
DATE OF INFORMATION :9/13/83  
PAPER FILE NUMBER :OK13-1

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
IBM 8100  
RESIDENCE :In-house (Management of Information Services)  
OPERATION :Batch and Interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work sta-  
tions/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wells -  
Form 320 data: lease, legal description, producer,  
formations, purchaser, products, soil, date of pur-  
chase (start date), date of purchase (stop date), oil,  
natural gas, condensate, casinghead gas, oil well, gas  
well, liquid gas, minerals extracted  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :5 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Computer printouts, reports  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuously  
CONFIDENTIALITY :Data on volume, value and other variables subject to  
restricted access

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OK001-01



CODE :OK001-02

CODE :OK001-03

STATE :OK  
 DATA BASE NAME :Lease legal Description File  
 SUBJECT COVERAGE :Oil and gas  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This data base is also known as the Gross Production Lease Information (GPLI) file. It is a subsystem of the Well Unit Master File (Code: OK001-01), and interacts with the Detail File (Code: OK001-03) and the Claims and Overpayments File (Code: OK001-05).  
 AGENCY :OK Tax Commission  
 RESPONDENT :Donald Friph, User Systems Analyst  
 OK Tax Commission  
 Gross Production Division  
 N.C. Connors Building  
 2501 N. Lincoln Boulevard  
 Oklahoma City, OK 73104  
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
 IBM 8100  
 RESIDENCE :In-house (Management of Information Services)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas leases - legal descriptions  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :5 acres  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts, reports  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Weekly  
 COMMENTS :This file is updated automatically through the system itself, based on information entered into the Well Unit Master File (refer to Code OK001-01)

=====

DOCUMENTATION :User instructions (for in-house use only)  
 DATE OF INFORMATION :9/13/83  
 PAPER FILE NUMBER :OK13-2

STATE :OK  
 DATA BASE NAME :Detail File  
 SUBJECT COVERAGE :Oil and gas  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Information contained within this file is derived from the Department's Form 300R (monthly report) and Form 323R (for reclaims). The Detail File contains Purchaser Reports for oil and gas, and interacts with the Balance File (Code: OK001-07).  
 AGENCY :OK Tax Commission  
 RESPONDENT :Donald Friph, User Systems Analyst  
 OK Tax Commission  
 Gross Production Division  
 N.C. Connors Building  
 2501 N. Lincoln Boulevard  
 Oklahoma City, OK 73104  
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
 IBM 8100  
 RESIDENCE :In-house (Management of Information Services)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas - company, federal employment identification, company number, product code, month of production, page number, contract number, 13-digit lease number, other part involved (producer/purchaser), gross volume, gross value, transport (pipe/truck), NGLA rate (if gas), BTU, gravity (oil), sulfur content (oil), etc.  
 GEOGRAPHIC COVERAGE :Statewide  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts, reports  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Daily  
 CONFIDENTIALITY :Data on volume, value and other variables subject to restricted access

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DOCUMENTATION :User instructions (for in-house use only)  
 DATE OF INFORMATION :9/13/83  
 PAPER FILE NUMBER :OK13-3

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OK001-03

CODE :OK001-04

STATE :OK  
 DATA BASE NAME :Detailed Payment File  
 SUBJECT COVERAGE :Oil and gas  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :The Detailed Payment File maintains records of taxes received from purchasers of oil and gas. This file interacts with the Balance File (Code: OK001-07).  
 AGENCY :OK Tax Commission  
 RESPONDENT :Donald Friph, User Systems Analyst  
 OK Tax Commission  
 Gross Production Division  
 M.C. Connors Building  
 2501 N. Lincoln Boulevard  
 Oklahoma City, OK 73104  
 Telephone: 405-521-4570

# COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
 IBM 8100  
 RESIDENCE :In-house (Management of Information Services)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :No

# IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

# DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
 tax revenues, receipt number, tax code type  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts, reports  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 CONFIDENTIALITY :Data on volume, value and other variables subject to restricted access  
 COMMENTS :An on-line program creates records regarding tax types for apportionment purposes.

=====

DOCUMENTATION :User instructions (in-house use only)  
 DATE OF INFORMATION :9/13/83  
 PAPER FILE NUMBER :OK13-4

CODE :OK001-05

STATE :OK  
 DATA BASE NAME :Claims and Overpayments File  
 SUBJECT COVERAGE :Oil and gas tax revenues  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This file contains amended tax reports for taxes received on oil and gas. The Claims and Overpayment File interacts with the Balance File (Code: OK001-07).  
 AGENCY :OK Tax Commission  
 RESPONDENT :Donald Friph, User Systems Analyst  
 OK Tax Commission  
 Gross Production Division  
 M.C. Connors Building  
 2501 N. Lincoln Boulevard  
 Oklahoma City, OK 73104  
 Telephone: 405-521-4570

# COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
 IBM 8100  
 RESIDENCE :In-house (Management of Information Services)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :No

# IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

# DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
 taxes, company number, product code, month of production, auditor status, credit number, name  
 GEOGRAPHIC COVERAGE :Statewide  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts, reports  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Daily  
 CONFIDENTIALITY :Data on volume, value and other variables subject to restricted access

=====

DOCUMENTATION :User instructions (for in-house use only)  
 DATE OF INFORMATION :9/13/83  
 PAPER FILE NUMBER :OK13-5

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OK001-04  
 OK001-05

CODE :OK001-06

CODE :OK001-07

STATE :OK  
 DATA BASE NAME :Delinquent Payments File  
 SUBJECT COVERAGE :Oil and gas tax revenues  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This data file contains penalty and interest information regarding delinquent oil and gas tax payments. The Delinquent Payments File interacts with the Balance File (Code: OK001-07).  
 AGENCY :OK Tax Commission  
 RESPONDENT :Donald Friph, User Systems Analyst  
 OK Tax Commission  
 Gross Production Division  
 M.C. Connors Building  
 2501 N. Lincoln Boulevard  
 Oklahoma City, OK 73104  
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
 IBM 8100  
 RESIDENCE :In-house (Management of Information Services)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
 taxes, delinquent payments, penalty, interest  
 GEOGRAPHIC COVERAGE :Statewide  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts, reports  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 CONFIDENTIALITY :Subject to restricted access

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DOCUMENTATION :User instructions (for in-house use only)  
 DATE OF INFORMATION :9/13/83  
 PAPER FILE NUMBER :OK13-6

STATE :OK  
 DATA BASE NAME :Balance File  
 SUBJECT COVERAGE :Oil and gas tax revenues  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :This data file creates records on overpayment and underpayment of taxes on oil and gas. The Balance File interacts with the Detail File (Code: OK001-03), Detailed Payment File (Code: OK001-04), Claims and Overpayments File (Code: OK001-05), and Delinquent Payments File (Code: OK001-06).  
 AGENCY :OK Tax Commission  
 RESPONDENT :Donald Friph, User Systems Analyst  
 OK Tax Commission  
 Gross Production Division  
 M.C. Connors Building  
 2501 N. Lincoln Building  
 Oklahoma City, OK 73104  
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
 IBM 8100  
 RESIDENCE :In-house (Management of Information Services)  
 OPERATION :Batch  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
 tax revenues, apportionment estimated record, gross production  
 GEOGRAPHIC COVERAGE :Statewide  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Computer printouts, reports  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Monthly  
 CONFIDENTIALITY :Subject to restricted access

=====

DOCUMENTATION :User instructions (for in-house use only)  
 DATE OF INFORMATION :9/13/83  
 PAPER FILE NUMBER :OK13-7

ORIGINAL PAGE IS  
OF POOR QUALITYOK001-06  
OK001-07

CODE :OK002-01

STATE :OK  
 DATA BASE NAME :OK Geographic Information Retrieval System  
 DATA BASE ACRONYM :OGIRS  
 SUBJECT COVERAGE :Geology, land cover, soils, topography, climate and weather data  
 GEOGRAPHIC COVERAGE :Varies from statewide to demonstration project areas  
 STATUS :OGIRS is a highly interactive data entry, storage, manipulation, and display software system for use with geographically referenced data. Although originally developed for a project concerned with coal strip mine reclamation, OGIRS is capable of handling any geographically referenced data for a variety of natural resource management applications. A special effort has been made to integrate remotely sensed data into the information system.  
 AGENCY RESPONDENT :Center for Applications of Remote Sensing  
 :W. Anthony Blanchard, Research Associate  
 Center for Applications of Remote Sensing (CARS)  
 111 Thatcher Hall  
 Oklahoma State University  
 Stillwater, OK 74078  
 Telephone: 405-624-5178  
 OTHER CONTACTS :Dr. Stephen J. Walsh, Associate Professor  
 Telephone: 405-624-6250

#### COMPUTER FACILITIES

COMPUTER(S) :PERKIN-ELMER 8/32  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PERKIN-ELMER OS32  
 SYSTEM CAPACITY :Main memory: 500,000  
 Disc storage: 1.2 Billion  
 Simultaneous users supported: 4  
 LANGUAGE(S) :FORTRAN  
 Assembler  
 SPECIALIZED SOFTWARE :ELAS  
 OGIRS  
 WIPS (Weather Image Processing System)  
 VERSATEC Plot Package  
 PERIPHERAL DEVICES :Color image display, mechanical digitizer, line printer (character graphics), dot matrix printer with graphics, electrostatic plotter, hard copy terminal, alphanumeric CRT's (3)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 Ad hoc grid  
 MINIMUM RESOLUTION :Hectare, 1 kilometer and 8 kilometer cells  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, tables modelling capability, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :No regular update  
 COMMENTS :Data collected by the OK Geological Survey

DATA CATEGORY NAME :Land cover -  
 barren land, forest land, rangeland, water, wetlands, cropland, pasture, urban/built-up  
 GEOGRAPHIC COVERAGE :Statewide, especially the Stillwater Creek Watershed and the Little Washita area  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 kilometer, 10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, modelling capacity, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :No regular update  
 CLASSIFICATION :Anderson Level I and II  
 COMMENTS :Data from Landsat and other remote sensing data

DATA CATEGORY NAME :Soils data -  
 Type, series, erosion, shrink/swell potential, soils subject to flooding, soil permeability, hydrologic soil group, soil erodability  
 GEOGRAPHIC COVERAGE :Statewide, especially the Little Washita area  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 Ad hoc grid  
 MINIMUM RESOLUTION :1 kilometer and 8 kilometers, 10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, modelling capability, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :No regular update  
 COMMENTS :Data collected by USDA Soil Conservation Service and OK Agricultural Experiment Station

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OK002-01

DATA CATEGORY NAME :Topography -  
 elevation, slope angle, aspect  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :Hectare, 1 kilometer and 8 kilometers,  
 10,000 square meters (UTM cell)  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, modelling capability, tables,  
 statistical summaries, composite mapping, interactive  
 video display capability, color photos, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :No regular update  
 COMMENTS :Data collected by National Cartographic Information  
 Center

DATA CATEGORY NAME :Climate/weather -  
 rainfall, evapotranspiration, temperature, mean  
 annual precipitation, mean January temperature,  
 mean July temperature, mean length of frost-free  
 season  
 GEOGRAPHIC COVERAGE :Statewide, especially the Little Washita area  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 Ad hoc grid  
 MINIMUM RESOLUTION :1 kilometer and 8 kilometers, 10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, modelling capability, tables,  
 statistical summaries, composite mapping, interactive  
 video display capability, color photos, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Daily, annually  
 COMMENTS :Data collected by NOAA

DATA CATEGORY NAME :Demography -  
 populations, social aspects, economic aspects  
 GEOGRAPHIC COVERAGE :Seminole County  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :10 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, modelling capability, tables,  
 statistical summaries, composite mapping, interactive  
 video display capability, color photos, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Source data: every 10 years  
 COMMENTS :Data collected by the US Census

DOCUMENTATION :General information:  
 Blanchard, W. Anthony. "The Oklahoma Geographic Infor-  
 mation Retrieval System", in Proceedings of the  
 National Energy Resources Management Conference,  
 NASA Conference Publication 2261, Vol. 1, pp. 239 -  
 249, 1982.  
 Blanchard, W. Anthony and S. J. Walsh. "Update on  
 OGINS: The Oklahoma Geographic Information Ret-  
 rieval System", to appear in the October, 1983  
 issue of the Oklahoma Geology Notes.  
 USER FEES POLICY :Fees charged for all products and services according to  
 a fee schedule  
 DATE OF INFORMATION :9/20/83  
 PAPER FILE NUMBER :OK3

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CODE :OK003-01

STATE :OK  
DATA BASE NAME :OK Water Use Data System  
SUBJECT COVERAGE :Groundwater, surface water  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Expected date of automation of Water Well Logs: 7/84  
AGENCY :OK Water Resources Board  
RESPONDENT :Jim Schuelein, Chief  
Administration Division  
OK Water Resources Board  
1000 N.E. 10th Street  
P.O. Box 53585  
Oklahoma City, OK 73152  
Telephone: 405-271-2521

OTHER CONTACTS :James R. Barnett, Executive Director  
Telephone: 405-271-2555  
Jann P. Hook, Programmer Analyst Supervisor  
Telephone: 405-271-2585

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D  
RESIDENCE :Oklahoma State University  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Dot matrix printer with graphics, alphanumeric  
CRTs (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
water rights, stream water use, permits  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :By county  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Statistical summaries, interactive video display capa-  
bility  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuously  
COMMENTS :Data also supplied to the USGS/National Water Use Data  
System

DATA CATEGORY NAME :Groundwater -  
well location, water rights, water use, permits  
GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :By county  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Statistical summaries, interactive video display capa-  
bility  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuously  
COMMENTS :Data also supplied to the USGS/National Water Use Data  
System

DOCUMENTATION :Description of Data Elements: Water Right Data"; "Des-  
cription of Data Elements: Water Use Data" (9/83)  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :9/9/93  
PAPER FILE NUMBER :OK5

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OK003-01

CODE :OK004-01

STATE :OK  
 DATA BASE NAME :OK Climatological Survey Data  
 DATA BASE ACRONYM :OCS Data  
 SUBJECT COVERAGE :Climate/weather, agriculture, soils data, surface water hydrology  
 GEOGRAPHIC COVERAGE :Varies (see descriptions of individual data categories)  
 AGENCY :OK Climatological Survey  
 RESPONDENT :Amos Eddy, Director  
 OK Climatological Survey  
 University of Oklahoma  
 710 Asp, Suite 8  
 Norman, OK 73019  
 Telephone: 405-325-2541  
 OTHER CONTACTS :Ellen Cooter, Assistant State Climatologist  
 Phil McDonald

#### COMPUTER FACILITIES

COMPUTER(S) :APPLE  
 IBM 3081  
 RESIDENCE :In-house (APPLE); University of Oklahoma (IBM 3081)  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS 3.3 and CP/M  
 SYSTEM CAPACITY :Main memory: 64K  
 Disc storage: 126 K  
 LANGUAGE(S) :FORTRAN  
 BASIC  
 Assembler  
 PERIPHERAL DEVICES :Monochrome graphics CRTs (6), color graphics CRTs (3), tablet-free cursor digitizers (2), dot matrix printer with graphics

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
 rainfall, wind, exposure, evapotranspiration, temperature, snowfall/snow depth, solar radiation, natural disasters  
 GEOGRAPHIC COVERAGE :Arkansas, California, Colorado, Indiana, Iowa, Kansas, Minnesota, Montana, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Texas, Wisconsin, Wyoming  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Graphics, computer tape, statistical summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate

#### UPDATE FREQUENCY COMMENTS

:Monthly  
 :Meteorological data for daily cooperative National Weather Service stations have been processed for the states noted above. The data for some states have been interpolated to provide a complete time series, and then processed to produce weekly derived variables. States currently being processed include: Illinois, Louisiana, New Mexico and Missouri. Data for all remaining states are in the process of being acquired.

#### DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annually  
 COMMENTS :Information supplied by the OK Crop and Livestock Reporting Service

#### DATA CATEGORY NAME

:Soils data -  
 type, slope  
 GEOGRAPHIC COVERAGE :Several counties in Oklahoma  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Grid  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Unknown

#### DATA CATEGORY NAME

:Surface water hydrology -  
 discharge/volume/stage, supply and storage  
 GEOGRAPHIC COVERAGE :All Oklahoma hydrologic reporting stations and some Texas stations  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, graphics, computer tape  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 COMMENTS :Data available for the period 1951-1980

#### DOCUMENTATION

: "OCS Magnetic Tape Data Base" (August 18, 1983)  
 USER FEES POLICY :Fees charged for all products and services requiring computer usage according to a fee schedule  
 DATE OF INFORMATION :9/16/83  
 PAPER FILE NUMBER :OK7

ORIGINAL PAGE IS  
 OF POOR QUALITY

OK004-01

CODE :OK005-01

CODE :OK006-01

STATE :OK  
 DATA BASE NAME :Landsat Forest Inventory  
 SUBJECT COVERAGE :Forestry  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :OK State Department of Agriculture  
 RESPONDENT :Kurt Atkinson, Assistant Director  
 Forestry Division  
 OK State Department of Agriculture  
 2800 N. Lincoln Boulevard  
 Oklahoma City, OK 73105  
 Telephone: 405-521-3886  
 OTHER CONTACTS :Roger L. Davis, Director  
 John Burwell, Staff Forester

COMPUTER FACILITIES

COMPUTER(S) :IBM PC  
 RESIDENCE :In-house; also use a private sector computer center:  
 OK Foundation for Research and Development  
 Box 1328  
 Edmond, OK 73034

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, line printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 vegetative species classes, forest land ownership  
 GEOGRAPHIC COVERAGE :Statewide (forest land)  
 GEOGRAPHIC REFERENCE :Not geographically referenced  
 MINIMUM RESOLUTION :40 acres, by county  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, statistical summaries  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :No set time interval  
 COMMENTS :Data acquired from Landsat and field survey

=====

USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :8/31/83  
 PAPER FILE NUMBER :OK9

STATE :OK  
 DATA BASE NAME :Allocated & Unallocated Oil & Gas Production  
 SUBJECT COVERAGE :Oil and gas  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :OK Corporation Commission  
 RESPONDENT :Mike Humphrey, Director  
 Data Processing Division  
 OK Corporation Commission  
 Jim Thorpe Building  
 2101 N. Lincoln Boulevard  
 Oklahoma City, OK 73105  
 Telephone: 405-521-2873  
 OTHER CONTACTS :Oscar Comings, Operations Supervisor  
 Telephone: 405-521-2247

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
 RESIDENCE :OK Department of Transportation  
 OPERATION :Batch  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer, hard copy terminals (2), alpha-  
 numeric CRTs (10)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
 allocated and unallocated production  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :County  
 Lease  
 MINIMUM RESOLUTION :By county  
 DATA STORAGE FORMAT :Cular  
 OUTPUT PRODUCTS :computer tape, hard copy reports  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Monthly, annually  
 COMMENTS :Data acquired from the Oil and Gas Division

=====

DOCUMENTATION :Information on data structure, data type available  
 USER FEES POLICY :No policy established; send tapes for data  
 DATE OF INFORMATION :9/28/83  
 PAPER FILE NUMBER :OK15

ORIGINAL PAGE IS  
OF POOR QUALITYOK005-01  
OK006-01



CODE :OK007-01

CODE :OK008-01

STATE :OK  
DATA BASE NAME :Oil & Gas Field File  
SUBJECT COVERAGE :Oil and gas  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Under development (just getting started)  
AGENCY :OK Geological Survey  
RESPONDENT :Michelle Summers, Geological Data Coordinator  
OK Geological Survey  
830 Van Fleet Oval, Room 163  
Norman, OK 73019  
Telephone: 405-325-3031  
OTHER CONTACTS :Dr. Charles Hankin, Director

COMPUTER FACILITIES

COMPUTER(S) :HP 9835A  
(IM 3081)  
RESIDENCE :In-house (HP 9835A); University of Oklahoma (IM 3081)  
OPERATION :Interactive  
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -  
lease production by "field", location (section),  
township/range, monthly production (January 1983 -  
June 1983), discovery date, county, county code,  
remarks  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :By county, section  
DATA STORAGE FORMAT :Tabular  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously  
COMMENTS :Received magnetic tape from the OK Tax Commission

=====

DATE OF INFORMATION :9/27/83  
PAPER FILE NUMBER :OK21

STATE :OK  
DATA BASE NAME :OK Natural Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort be-  
tween the State of Oklahoma and The Nature Conservancy,  
a national nonprofit conservation organization.  
AGENCY :OK Department of Tourism and Recreation  
RESPONDENT :Ann Butler, Coordinator  
OK Natural Heritage Program  
OK Department of Tourism and Recreation  
Division of Planning and Development  
500 Will Rogers Building  
Oklahoma City, OK 73105  
Telephone: 405-521-2980  
OTHER CONTACTS :Estelle Hood, Secretary  
:Shellic Gureau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter avail-  
able through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :OK21

ORIGINAL PAGE IS  
OF POOR QUALITY

OK007-01  
OK008-01

CODE :OR001-01

STATE :OR  
 DATA BASE NAME :Elk Habitat Inventory and Mapping  
 SUBJECT COVERAGE :Rocky Mountain and Roosevelt elk habitat  
 GEOGRAPHIC COVERAGE :10 million acres, mostly in Blue Mountains of northeast Oregon and Coast Range of northwest Oregon  
 AGENCY :OR Department of Fish and Wildlife  
 RESPONDENT :Larry Bright, Staff Biologist  
 Management/Research Coordinator  
 OR Department of Fish and Wildlife  
 P.O. Box 3503  
 Portland, OR 97208  
 Telephone: 503-229-5453  
 OTHER CONTACTS :Paul W. Ebert, Research Supervisor (Wildlife)  
 Dale Christianson, Supervisor, Data Processing  
 Telephone: 503-229-5046

#### COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 170/720  
 RESIDENCE :Oregon State University Computer Center (Corvallis) -  
 CDC CYBER 170/720;  
 University of Washington Remote Sensing Applications  
 Lab (Seattle) - VICAR/IBIS  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :VICAR/IBIS

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 Rocky Mountain elk, Roosevelt elk, habitat  
 GEOGRAPHIC COVERAGE :10 million acres (9,590,000 acres in the Blue Mountains  
 of northeast Oregon; 450,000 acres in the Saddle Mountain  
 Management Unit in northwest Oregon)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 acre (pixel)  
 DATA STORAGE FORMAT :Digital  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
 tape, statistical summaries (acreage), composite  
 mapping  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :One time to date; 5-year updates recommended  
 CLASSIFICATION :Based on in-state vegetation classification systems

DATA CATEGORY NAME :Forestry -  
 stand condition, timber species groupings, Roosevelt  
 elk  
 GEOGRAPHIC COVERAGE :450,000 acres in the Saddle Mountain Management Unit  
 in northwest Oregon  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 acre (pixel)  
 DATA STORAGE FORMAT :Digital  
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer  
 tape, statistical summaries (acreage), composite  
 mapping  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :One time to date; 5-year updates recommended  
 CLASSIFICATION :Based on in-state vegetation classification systems

DATA CATEGORY NAME :Topography -  
 slope, aspect  
 GEOGRAPHIC COVERAGE :107,000-acre pilot project in the Saddle Mountain  
 Management Unit in northwest Oregon  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 acre (pixel)  
 DATA STORAGE FORMAT :Digital  
 OUTPUT PRODUCTS :Maps (1:24,000-scale), tables, graphics, computer  
 tape, statistical summaries, composite mapping  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 COMMENTS :Slope/aspect grayscale (2-class) map generated from  
 January Landsat data and utilizing N slope shadowing;  
 classes assigned to northerly or southerly aspects  
 from overlaying gray scales to 1/2' USGS topographic  
 maps; experimental

DOCUMENTATION :"Elk Habitat Inventory and Mapping Utilizing Landsat  
 Data", Report # 11; "Monitoring Rocky Mountain Elk  
 Habitat Using Satellite Data" (Draft); "Assessment of  
 Elk Habitat for Resource Management and Planning Acti-  
 vities from Landsat Mapping Products" (Draft)  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :8/3/83  
 PAPER FILE NUMBER :OR1

ORIGINAL PAGE IS  
 OF POOR QUALITY

OR001-01

CODE :OR002-01

STATE :OR  
DATA BASE NAME :Forest Resource Survey  
SUBJECT COVERAGE :Forestry  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :OR Forestry Department  
RESPONDENT :Ray Miller, Resource Analyst  
Resources Studies section  
OR Forestry Department  
2600 State Street  
Salem, OR 97310  
Telephone: 503-378-2664  
OTHER CONTACTS :Dave Stere, Planning Director  
Telephone: 503-378-5387  
Art Jones, ADP Supervisor  
Telephone: 503-378-2103

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158  
RESIDENCE :OR State Department of Transportation

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
COBOL  
Assembler  
SPECIALIZED SOFTWARE :SPSS  
FOCUS  
EMAIL  
NTI OMNIVORD  
CICS  
TSO

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
type (commercial), type (non-commercial), ownership  
class, net timber volume, net timber growth, stand  
age, productivity, mortality, treatment opportunity  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
MINIMUM RESOLUTION :Site specific; varies with plot size  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Varies  
UPDATE FREQUENCY :Every 10 years  
CONFIDENTIALITY :Plot locations confidential

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DOCUMENTATION :Copies not available for distribution  
DATE OF INFORMATION :8/22/83  
PAPER FILE NUMBER :OR2

ORIGINAL PAGE IS  
OF POOR QUALITY

OR002-01

CODE :OR003-01

STATE :OR  
DATA BASE NAME :Fish Inventory of Oregon Lakes and Streams  
SUBJECT COVERAGE :Fish, surface water, recreation  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :OR Department of Fish and Wildlife  
RESPONDENT :Ken R. Hall, Chief  
Fisheries Information Systems  
OR Department of Fish and Wildlife  
506 S.W. Hill Street  
P.O. Box 3503  
Portland, OR 97208  
Telephone: 503-229-5140  
OTHER CONTACTS :Jim Griggs, Staff Biologist  
Telephone: 503-229-6042  
:Rich Berry, Staff Biologist  
Telephone: 503-229-6042  
:Dale Christensen, Data Processing Supervisor  
Telephone: 503-229-5505

#### COMPUTER FACILITIES

COMPUTER(S) :EVOLUTION SYSTEMS R-80  
RESIDENCE :In-house; also use a university computer center for  
research projects  
OPERATION :Interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PICK  
SYSTEM CAPACITY :Disc storage: 200MB  
Simultaneous users supported: 46  
LANGUAGE(S) :BASIC  
ENGLISH (report generator)  
PERIPHERAL DEVICES :60 monochrome graphics CRTs, line printer, dot  
matrix printer with graphics, 4 hard copy ter-  
minals

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fish -  
game, non-game  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :By county; by watershed or river basin  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries, inter-  
active video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Last updated in 1977; no exact date to update again

DATA CATEGORY NAME :Surface water -  
discharge/volume/stage, water body type, water body  
size, supply and storage  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :Site specific; by township; by county; by watershed  
or river basin  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries, inter-  
active video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Last updated in 1977; future updates dependent on  
availability of funding

DATA CATEGORY NAME :Recreation -  
fish, sport catch, catch methods, recreation days  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :By county; by watershed or river basin  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries, inter-  
active video display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Last updated in 1977; future updates not currently  
scheduled

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USER FEES POLICY :No policy established  
DATE OF INFORMATION :8/11/83  
PAPER FILE NUMBER :OR6

ORIGINAL PAGE IS  
OF POOR QUALITY

OR003-01

CODE :OR004-01

STATE :OR  
DATA BASE NAME :OSCUR 2 Forest Inventory  
SUBJECT COVERAGE :Forestry, land use, soils, and topography  
GEOGRAPHIC COVERAGE :State-owned and managed forest lands in Oregon (approximately 780,000 acres)  
AGENCY :OR Forestry Department  
RESPONDENT :Bill Voelker, Director  
Inventory, Analysis and Planning  
Forest Management Division  
OR Forestry Department  
2600 State Street  
Salem, OR 97310  
Telephone: 503-378-2552

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
RESIDENCE :OR Department of Transportation  
OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer, alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
cover type, stocking, age, species, stand tables,  
damage code, management history, quality/condition,  
volume  
GEOGRAPHIC COVERAGE :State-owned forest lands in Oregon (approximately  
780,000 acres)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :2-5 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :One to ten years  
CLASSIFICATION :In-house forest classification  
COMMENTS :Maps published at a scale of 1"=1000'

DATA CATEGORY NAME :Soils data -  
type, series, association, productivity, landform,  
site  
GEOGRAPHIC COVERAGE :State-owned forest lands in Oregon (approximately  
780,000 acres)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :2-5 acres

DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
COMMENTS :Map overlays prepared at a scale of 1"=1000'

DATA CATEGORY NAME :Land use -  
timber, mineral extraction/energy production, recreation, ownership  
GEOGRAPHIC COVERAGE :State-owned forest lands in Oregon (approximately  
780,000 acres)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :2-5 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :One to 10 years  
CLASSIFICATION :In-house forest classification  
COMMENTS :Map overlays prepared at a scale of 1"=1000'

DATA CATEGORY NAME :Topography -  
slope, relief  
GEOGRAPHIC COVERAGE :State-owned forest lands in Oregon (approximately  
780,000 acres)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :2-5 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries  
COMMENTS :Map overlays prepared at a scale of 1"=1000'

USER FEES POLICY :Maps and computer printouts supplied at cost  
DATE OF INFORMATION :7/28/83  
PAPER FILE NUMBER :OR9

ORIGINAL PAGE IS  
OF POOR QUALITY

OR004-01

CODE :OR005-01

STATE :OR  
DATA BASE NAME :Fire Studies/Fire Report File  
SUBJECT COVERAGE :Forest fires  
GEOGRAPHIC COVERAGE :State-protected forest lands (approximately 16.75 million acres)  
STATUS :Fire Report File contains data from 1956 to the present; a variable number of years is used as input for Fire Studies  
AGENCY :OR Forestry Department  
RESPONDENT :Dick Rondenau  
Forest Protection Division  
OR Forestry Department  
2600 State Street  
Salem, OR 97310  
Telephone: 503-378-2531  
OTHER CONTACTS :Ken Palen, Protection Analyst  
Telephone: 503-378-2928  
:Jim Miller, Programmer-Analyst  
Telephone: 503-378-2502

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158  
RESIDENCE :OR Department of Transportation  
OPERATION :Batch  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

LANGUAGE(S) :COBOL  
FORTRAN  
SPECIALIZED SOFTWARE :Z-Chart  
PERIPHERAL DEVICES :2 hard copy terminals, 3 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
forest fires, location, cause, class of people  
(responsible), ownership, detection, chronology  
(origin-discovery-initial attack-control), costs of  
suppression, damage assessment, acreage burned  
GEOGRAPHIC COVERAGE :State-protected forest lands (approximately 16.75 million acres)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :One square mile; also aggregated by township, county, management unit, ownership unit, and watershed or river basin  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Tables, plots, statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High

DOCUMENTATION :General information and description of data structure available  
USER FEES POLICY :Products and services available at no charge  
DATE OF INFORMATION :8/22/83  
PAPER FILE NUMBER :OK10

ORIGINAL PAGE IS  
OF POOR QUALITY

OR005-01

CODE :OR006-01

CODE :OR007-01

STATE :OR  
 DATA BASE NAME :Forest Operator-Landowner Liability Law Administration File  
 DATA BASE ACRONYM :FOLLAD Report  
 SUBJECT COVERAGE :Forestry  
 GEOGRAPHIC COVERAGE :State-owned lands and private lands used in forestry operations in Oregon  
 AGENCY :OR Forestry Department  
 RESPONDENT :Neil Skill, Assistant State Forester  
 OR Forestry Department  
 2600 State Street  
 Salem, OR 97310  
 Telephone: 503-378-2494  
 OTHER CONTACTS :Jim Millor, Systems Analyst  
 Telephone: 503-378-2502

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158  
 RESIDENCE :OR Department of Transportation  
 OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :2 hard copy terminals, 3 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 land ownership by class, type of operation, environmental damage potential (high/moderate/low), chemical applications, acres harvested, roads build  
 GEOGRAPHIC COVERAGE :State-owned lands and private lands used in forestry operations in Oregon  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :One square mile  
 OUTPUT PRODUCTS :Statistical summaries, interactive video display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Continuously

DOCUMENTATION :General information and descriptions of data structure and data encoding format/procedure available  
 USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :8/17/83  
 PAPER FILE NUMBER :OR11

STATE :OR  
 DATA BASE NAME :Insect Damage Survey  
 SUBJECT COVERAGE :Forest insect damage  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :OR Forestry Department  
 RESPONDENT :Leroy Kline, Director  
 Insect and Disease Management Section  
 OR Forestry Department  
 2600 State Street  
 Salem, OR 97310  
 Telephone: 503-378-2554  
 OTHER CONTACTS :Paul E. Buifam, Director  
 Forest Pest Management  
 U.S. Forest Service  
 Portland, OR  
 Telephone: 503-221-2727

COMPUTER FACILITIES

RESIDENCE :U.S. Forest Service

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 insect damage, insect species, host species, infestation, infestation centers, amount of damage  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Within 21 to 40 acres  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (1/2"-1 mile), tables  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annually  
 COMMENTS :Data supplied to U.S. Forest Service, Fort Collins Computer Center, Colorado

USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :8/22/83  
 PAPER FILE NUMBER :OR12

ORIGINAL PAGE 13  
 OF POOR QUALITY

OR006-01  
 OR007-01

CODE :OR008-01

STATE :OR  
 DATA BASE NAME :Groundwater Sources and Aquifer Data, Observation Well Net  
 SUBJECT COVERAGE :Groundwater, geology  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :OR Water Resources Department  
 RESPONDENT :Frederick G. Lissner, Administrator  
 Ground Water Division  
 OR Water Resources Department  
 555 13th Street N.E.  
 Salem, OR 97310  
 Telephone: 503-378-8456

COMPUTER FACILITIES

RESIDENCE :U.S. Geological Survey (Portland, OR)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 bedrock geology, permeability, porosity  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Grid based on Public Land Survey  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annually  
 COMMENTS :Data supplied to U.S. Geological Survey WATSTORE  
 repository

DATA CATEGORY NAME :Groundwater -  
 quantity, recharge, well location, point of outlet,  
 flow direction, withdrawal volume, water depth  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Grid based on Public Land Survey  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate

DATE OF INFORMATION :8/1/83  
 PAPER FILE NUMBER :OR16

CODE :OR009-01

STATE :OR  
 DATA BASE NAME :Streamflow Records  
 SUBJECT COVERAGE :Surface water  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :OR Water Resources Department  
 RESPONDENT :Ben P. Scales, Hydrographer  
 Policy and Planning Division  
 OR Water Resources Department  
 555 13th Street N.E.  
 Salem, OR 97310  
 Telephone: 503-378-3671  
 OTHER CONTACTS :Darrell Learn, Administrator  
 Policy and Planning Division

COMPUTER FACILITIES

COMPUTER(S) :ATLAS 8000-SD  
 RESIDENCE :In-house  
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :CP/M  
 SYSTEM CAPACITY :Main memory: 64K  
 Disc storage: 2MB  
 LANGUAGE(S) :BASIC  
 FORTRAN  
 PERIPHERAL DEVICES :Color graphics CRT, Tektronix 4956 digitizer, line  
 printer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
 discharge/volume/stage, streamflow  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 By river mile  
 MINIMUM RESOLUTION :Site specific (observation sites)  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, graphics  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Varies  
 COMMENTS :Some data are supplied to a U.S. Geological Survey  
 repository under an ongoing cooperative program

USER FEES POLICY :Fees may be charged depending on volume of data requested  
 and time required to respond  
 DATE OF INFORMATION :8/15/83  
 PAPER FILE NUMBER :OR17

ORIGINAL PAGE IS  
OF POOR QUALITYOR008-01  
OR009-01



CODE :OR010-01

STATE :OR  
DATA BASE NAME :OR Natural Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Oregon and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :OR Natural Heritage Program  
RESPONDENT :Curt Soper, Coordinator  
OR Natural Heritage Program  
c/o NW Field Office  
1234 NW 25th Avenue  
Portland, OR 97210  
Telephone: 503-228-9550  
OTHER CONTACTS :Shellie Carreau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :OR19

ORIGINAL PAGE 10  
OF POOR QUALITY

CODE :OR011-01

DATA CATEGORY NAME

:Surface water -  
water rights, point of diversion, volume of diversion,  
use of water (if used for irrigation, number of acres  
irrigated), place of use, water right remarks, reser-  
voir data, water master, gage, tributary, water master  
table

GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS  
DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY  
COMMENTS

:Statewide (when completed)  
:Public Land Survey  
:40 acres; 640 acres; by watershed or river basin  
:Arc/node, tabular  
:Tables, interactive video display, computer printouts  
:Primary and secondary  
:High  
:Continuously  
:Some claims date back to the 1800s

=====

DOCUMENTATION : "Water Rights Information System" manual  
USER FEES POLICY : Fees charged for products only  
DATE OF INFORMATION : 8/15/83  
PAPER FILE NUMBER : OR18

STATE :OR  
DATA BASE NAME :Water Rights Information System  
DATA BASE ACRONYM :WRIS  
SUBJECT COVERAGE :Water rights for surface water/groundwater  
GEOGRAPHIC COVERAGE :Statewide (when completed)  
STATUS :This system is under development, and contains the follow-  
ing data bases:  
Water Rights  
Water Resources  
Status Inquiry  
Batch Queue  
Transaction Log  
AGENCY :OR Water Resources Department  
RESPONDENT :Chris L. Hughes, Senior Water Rights Examiner  
OR Water Resources Department  
Water Rights Division  
555 13th Street, N.E.  
Salem, OR 97310  
Telephone: 503-378-3066  
OTHER CONTACTS :Larry Jebousak, Supervisor  
Water Rights Division  
Telephone: 503-378-8453  
:Ralph Jackson, Supervisor  
Applications/Permits Section  
Telephone: 503-378-3066

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :Central government computer center  
OPERATION :Batch and interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
water rights, point of diversion, volume of diversion,  
use of water (if used for irrigation, number of acres  
irrigated), place of use, water right remarks  
GEOGRAPHIC COVERAGE :Statewide (when completed)  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :40 acres; 640 acres; by watershed or river basin  
DATA STORAGE FORMAT :Arc/node, tabular  
OUTPUT PRODUCTS :Tables, interactive video display capability, computer  
printouts  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuously  
COMMENTS :Some claims date back to the 1800s

ORIGINAL PAGE IS  
OF POOR QUALITY

OR011-01

CODE :OR012-01

STATE :OR  
DATA BASE NAME :Recreation Resources  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :Pacific Northwest River Basin Commission  
RESPONDENT :Robert F. Nealey, Recreation Data Base Manager  
Pacific Northwest River Basin Commission  
515 Transportation Building  
Salem, OR 97310  
Telephone: 503-378-8271

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -  
projections of recreation needs, recreation demands,  
and recreation use on recreational activities such as  
camping, picnicking, swimming, fishing, boating, water  
skiing, hunting, bicycling, golfing, horseback  
riding, etc.  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Computer printouts, magnetic tapes  
DATA SOURCES :Secondary  
COMMENTS :Data generated from 1975 to present; data sources include  
Bonneville Power, county and city governments, Fish and  
Wildlife Department, Forestry Department, U.S. Forest  
Service, U.S. Bureau of Land Management, U.S. Fish and  
Wildlife Service

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DATE OF INFORMATION :8/28/79  
PAPER FILE NUMBER :OR14-1

ORIGINAL PAGE IS  
OF POOR QUALITY

OR012-01

CODE :PA001-01

Kuchler's Potential Natural Vegetation; Anderson's  
Land Use/Land Cover Classification; Society of  
American Foresters' Forest Cover Types; USFWS Classi-  
fication of Wetlands & Deep Water Habitats; USFS  
Forest Inventory Size Classes

STATE :PA  
DATA BASE NAME :PA Fish and Wildlife Data Base  
SUBJECT COVERAGE :Game and non-game wildlife, distribution, status, life  
histories and habitats  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Game Commission  
RESPONDENT :Calvin W. DuBrook, Biometrician/Coordinator - Data Base  
PA Game Commission  
8000 Berry Street  
P.O. Box 1567  
Harrisburg, PA 17105-1567  
Telephone: 717-787-1567  
OTHER CONTACTS :Jacob I. Sitlinger, Chief  
Division of Land Management  
Telephone: 717-787-6818

DOCUMENTATION : "Pennsylvania Fish and Wildlife Data Base" brochure;  
descriptions of software, data encoding format/procedures,  
and data types also available  
USER FEES POLICY : Fees charged for all products and services according to a  
fee schedule (cost recovery basis)  
DATE OF INFORMATION : 7/7/83  
PAPER FILE NUMBER : PAS

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/21  
RESIDENCE :Bloomsburg University  
OPERATION :Batch and interactive

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :hard copy terminal, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
mammals, birds, fish, estuarial, reptiles, amphibians,  
populations, threatened species, endangered species,  
game, non-game, distribution, habitat association,  
status, life history, environmental associations, food  
habits, influence of management activities, bibli-  
ography  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
By county  
By USGS 7 1/2' Quadrangle  
By hydrologic unit  
By ecoregion  
MINIMUM RESOLUTION :By county; by hydrologic unit  
OUTPUT PRODUCTS :Tables, computer, interactive video display capabil-  
ity, individual species profile reports  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Daily to weekly  
CONFIDENTIALITY :Site-specific information for select "special concern"  
species is subject to restricted access  
CLASSIFICATION :USGS Office of Water Data Coordination Hydrologic Unit  
Classification; Bailey's Ecoregion Classification;

ORIGINAL PAGE IS  
OF POOR QUALITY

PA001-01

CODE :PA002-01

STATE :PA  
 DATA BASE NAME :Insect and Disease Storage and Retrieval  
 SUBJECT COVERAGE :Data base contains information on insect damage to forest vegetation  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :System still in development stage, scheduled for completion in late 1983  
 AGENCY :PA Bureau of Forestry  
 RESPONDENT :John W. Quimby, Forest Entomologist  
 Division of Forest Pest Management  
 PA Bureau of Forestry  
 Department of Environmental Resources  
 34 Airport Drive  
 Middletown, PA 17057-5080  
 Telephone: 717-944-6012  
 OTHER CONTACTS :Kenneth H. Hickock, Chief, Biometrics Section  
 Telephone: 717-787-3444

#### COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B20  
 BURROUGHS B6700  
 RESIDENCE :In-house (above), Penn State (limited access),  
 USDA APHIS (limited to certain species)/USDA  
 Forest Service (not fully operational)  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :CANDE  
 SYSTEM CAPACITY :Main memory: 64 PODS  
 Disc storage: 3 megawords per pack  
 Simultaneous users supported: 35  
 LANGUAGE(S) :FORTRAN  
 COBOL  
 ALGOL  
 SPECIALIZED SOFTWARE :Tectronics Plot 10  
 DNS II  
 STSS  
 PERIPHERAL DEVICES :CRT display, Neumanns 1224, electrostatic  
 plotter, small flatbed pen plotter (22" x 17")  
 alphanumeric CRT's (130)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 quality and condition of vegetation, stage, host,  
 degree of damage, type of damage, insect/disease  
 species, location, ownership, slope, elevation,  
 reporter, date, site, herbaceous cover  
 GEOGRAPHIC COVERAGE :Statewide, all forest land

GEOGRAPHIC REFERENCE :Latitude/longitude  
 Forest District  
 County  
 Township  
 "Forest Pest Locator Grid" - based on USGS Quad's  
 MINIMUM RESOLUTION :Ownership unit, county, township, 1.5 sec./30 sec  
 (about 160 acres)  
 DATA STORAGE FORMAT :Grid, tabular  
 OUTPUT PRODUCTS :Tables, statistical summaries, composite mapping,  
 interactive video display capability, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High to moderate  
 UPDATE FREQUENCY :Continuously  
 COMMENTS :Data is reported to APHIS/USDA Federal Pest Damage  
 Reporting System

DOCUMENTATION : "Insect and Disease Survey Data" (Draft, August 1982)  
 USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :7/25/83  
 PAPER FILE NUMBER :PA6 (PAB-6)

ORIGINAL PAGE IS  
 OF POOR QUALITY

CODE :PA003-01

STATE :PA  
DATA BASE NAME :Timber Volume Inventory  
SUBJECT COVERAGE :Forest resources  
(collection, editing and statistical analysis of  
data from permanent plots measured twice/manage-  
ment period; provides estimates of current timber  
volumes and annual growth )  
GEOGRAPHIC COVERAGE :Statewide for State Forest Land  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Hiel, Chief, Biometrics Section  
PA Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician  
(Computer Operations)

#### COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
BURROUGHS B-20  
BURROUGHS B-6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by  
the Department of Environmental Resources (DER) (Forestry  
is a unit of DER)  
Other facilities used - USFS, Fort Collins Computer Cen-  
ter; University of MI, University of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million Bytes  
Disc storage: 3600 million Bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALCOL  
FORTRAN  
BASIC  
COBOL  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
Forestry's self-developed DIMS  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small  
flatbed pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -

GEOGRAPHIC COVERAGE :species, diameter, height, log grade, tree class,  
volume, growth, mortality, timber stand class  
GEOGRAPHIC REFERENCE :Statewide for State Forest Land only  
:County  
:Forest District  
:Geographic Unit  
MINIMUM RESOLUTION :County, forest district, geographic unit  
DATA STORAGE FORMAT :Tabular (stored by plot and tree number identification)  
OUTPUT PRODUCTS :Maps - 1:15840 scale, tables, statistical summaries,  
computer tape, (Maps are drafted and produced for State  
Forest Management only)  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High to low, depending on geographic reference  
UPDATE FREQUENCY :Every 7 to 8 years  
CLASSIFICATION :Bureau of Forestry timber stand classes (type, site,  
and size class), forest types are similar to SAF forest  
types but are broader classifications  
COMMENTS :Data are supplied to USFS, Forest Inventory and Analysis  
Unit, Broomall, PA  
Same data for total state can be obtained from them

DOCUMENTATION :General information is available  
USER FEES POLICY :Information is generally not provided  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :PA8-1

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :PA003-02

STATE :PA  
DATA BASE NAME :Land Area Inventory  
SUBJECT COVERAGE :Forest resources  
(Provides fast update and retrieval of information concerning acreage of State Forest land by management zones and stand classes - used for planning purposes and calculation of estimated yields)  
GEOGRAPHIC COVERAGE :Statewide for State Forest Land only  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Hickok, Section Chief, Biometrics Section  
PA Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician (Computer Operations)

#### COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
BURROUGHS B-20  
BURROUGHS B-6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (DER) (Forestry is a unit of DER)  
Other facilities used - USFS, Fort Collins Computer Center; University of MI, University of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million bytes  
Disc storage: 3600 million bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALCOL  
FORTRAN  
BASIC  
Assembler  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
Forestry's self developed  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -

GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION

DATA STORAGE FORMAT

OUTPUT PRODUCTS

DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY  
CLASSIFICATION

COMMENTS

area (acres); classification by: management zones, stand class, location (compartment and map section)  
:State Forest Land statewide  
:County, forest district, geographic unit  
:2 - 5 acres, 10 acres, county, management unit, forest district, geographic unit  
:Tabular (stored by compartment (management unit) and stand number identification)  
:Tables, interactive video display, interactive storage and retrieval (includes update capability)  
:Primary  
:High  
:Monthly, annually  
:Bureau of Forestry Timber Stand Classes and Land Use Management Zones  
:Last update: 1979

DOCUMENTATION :General information available  
USER FEES POLICY :Information generally not provided  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :PA8-2

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :PA003-03

STATE :PA  
 DATA BASE NAME :PA Natural Diversity Inventory  
 DATA BASE ACRONYM :PNDI  
 SUBJECT COVERAGE :Storage and retrieval system to provide fast inquiry of information concerning rare, endangered or threatened species  
 GEOGRAPHIC COVERAGE :Statewide (expected completion June 20, 1984)  
 STATUS :PA Bureau of Forestry has done the computer systems development and is the lead agency for this statewide program. Cooperating organizations are: Western PA Conservancy and The Nature Conservancy. WPC is tied directly to the system via a terminal. TNC provides data (from HP system) via computer tape.  
 AGENCY :PA Bureau of Forestry  
 RESPONDENT :Kenneth H. Hickok, Section Chief  
 Biometrics Section  
 Bureau of Forestry  
 PA Department of Environmental Resources  
 Evangelical Press Building, Third and Reilly Streets  
 PO Box 1467  
 Harrisburg, PA 17120  
 Telephone: 717-783-3444  
 OTHER CONTACTS :Stephen L. Storner, Forest Biometrician

#### COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
 BURROUGHS B-20  
 BURROUGHS 6700  
 RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (Forestry is a unit of DER)  
 Other facilities used - Bloomsburg State College (for access of PA Fish and Wildlife Data Base); USFS, Fort Collins Computer Center; University of MI, University of MN  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
 SYSTEM CAPACITY :Main memory: 6 million Bytes  
 Disc storage: 3600 million Bytes  
 Simultaneous users supported: 125 approx.  
 LANGUAGE(S) :ALGOL  
 FORTRAN  
 BASIC  
 COBOL  
 SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
 SPSS

#### PERIPHERAL DEVICES

Forestry's self developed DBMS  
 :Numonics electronic planimeter/digitizer, small flatbed pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - occurrences of rare/endangered/threatened/species of concern: animals, plants, special plant communities, ecological reserves, geologic, natural areas  
 GEOGRAPHIC COVERAGE :Statewide (expected completion June 30, 1984)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 County  
 Township  
 Watershed  
 USGS quadrangle  
 MINIMUM RESOLUTION :Site specific, watershed, county, township  
 DATA STORAGE FORMAT :Coordinate point, stored by species/element occurrence code  
 OUTPUT PRODUCTS :Tables, statistical summaries, interactive retrieval of site specific information  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous  
 CONFIDENTIALITY :Ownership and location data may be withheld from certain users depending on the sensitivity of species  
 CLASSIFICATION :Species/element occurrence code developed by W. PA. Conservancy and Bureau of Forestry - hierarchical classification to allow for plant communities/geologic features as well as plant and animal species

DOCUMENTATION : "PA Natural Diversity Inventory Classification and Coding Manual"  
 USER FEES POLICY :Information is provided in exchange for service rendered (i.e. collection of data and input to system)  
 DATE OF INFORMATION :7/25/83  
 PAPER FILE NUMBER :PA8

ORIGINAL PAGE IS  
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PA003-03



CODE :PA003-04

STATE :PA  
DATA BASE NAME :Timber Sales Tracking  
SUBJECT COVERAGE :Timber sales  
GEOGRAPHIC COVERAGE :Statewide for state forest land only  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Hickok, Section Chief  
Biometrics Section  
Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
BURROUGHS D-20  
BURROUGHS 6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned  
by the Department of Environmental Resources (Forestry is a unit of DER)  
Other facilities used - Bloomsburg State College for  
access of PA Fish and Wildlife Data Base; USFS, Fort  
Collins Computer Center; University of MI, University  
of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million Bytes  
Disc storage: 3600 million Bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALGOL  
FORTRAN  
BASIC  
COBOL  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
Forestry's self developed DIMS  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small  
flashed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Timber sales -  
net and gross volumes by species, number trees by  
species, log grades, disposition of sale, prices by

GEOGRAPHIC COVERAGE :species, acreage treated  
GEOGRAPHIC REFERENCE :State forest land  
Forest district  
Management compartment  
MINIMUM RESOLUTION :Forest district, management compartment, stand class  
DATA STORAGE FORMAT :Tabular, stored by species, sale disposition  
OUTPUT PRODUCTS :Tables, statistical summaries, interactive video  
display capability, automatic production of sale  
prospectus, sale disposition tracking, block payment  
tracking  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous, annual  
CLASSIFICATION :Bureau of Forestry stand classification; species  
classification; land use management zone

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USER FEES POLICY :Information is generally not provided  
DATE OF INFORMATION :7/23/83  
PAPER FILE NUMBER :PA6

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :PA003-05

STATE :PA  
DATA BASE NAME :Minerals Storage and Retrieval System  
SUBJECT COVERAGE :Forest resources - production and income from wells and minerals  
GEOGRAPHIC COVERAGE :Statewide for state forest land only  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Hickok, Section Chief  
Biometrics Section  
Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
BURROUGHS B-20  
BURROUGHS 6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (Forestry is a unit of DER)  
Other facilities used - Bloomsburg State College for access of PA Fish and Wildlife Data Base; USFS, Fort Collins Computer Center; University of MI, University of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million Bytes  
Disc storage: 3600 million Bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALGOL  
FORTRAN  
BASIC  
COBOL  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
Forestry's self developed DBMS  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -  
production and income (rentals, leases, royalties)

GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE

from: wells, coal, gas storage areas, other minerals, exploration  
:State forest lands  
:USGS quadrangle  
County  
Township  
Forest district  
:Township, county, ownership unit  
:Tabular, county and district  
:Tables, statistical summaries, interactive video display  
:Primary and secondary  
:High  
:Continuous

MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS

DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY

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USER FEES POLICY :Information is generally not provided  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :PAB

ORIGINAL PAGE IS  
OF POOR QUALITY

PA003-05

CODE :PA003-06

STATE :PA  
DATA BASE NAME :Wood-using Industry Directory  
SUBJECT COVERAGE :Forest industries  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Nickok, Section Chief  
Biometrics Section  
Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
HURROUGHS B-20  
HURROUGHS 6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned  
by the Department of Environmental Resources (Forestry is a unit of DER)  
Other facilities used - Bloomsburg State College for  
access of PA Fish and Wildlife Data Base; USFS, Fort  
Collins Computer Center; University of MI, University  
of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million Bytes  
Disc storage: 3600 million Bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALGOL  
FORTRAN  
BASIC  
COBOL  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
FORESTRY's self developed DUNS  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small  
flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest industries -  
mailing list and industry directory: name, address,  
industry type, capacity

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
City  
Zip code  
State  
MINIMUM RESOLUTION :County, zip code  
DATA STORAGE FORMAT :Tabular, county, state, industry, alphabetic  
OUTPUT PRODUCTS :Interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
CONFIDENTIALITY :Capacity and some other plant information is published only in summarized form unless permission is granted by individual company  
CLASSIFICATION :Bureau of Forestry classification of wood-using industries

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USER FEES POLICY :Information is generally not provided  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :PAB

ORIGINAL PAGE IS  
OF POOR QUALITY

PA003-06

CODE :PA003-07

STATE :PA  
DATA BASE NAME :Snowmobile Registration  
SUBJECT COVERAGE :Off-road vehicle registration  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Hickok, Section Chief  
Biometrics Section  
Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
BURROUGHS B-20  
BURROUGHS 6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned  
by the Department of Environmental Resources (Forestry is a unit of DER)  
Other facilities used - Bloomsburg State College for  
access of PA Fish and Wildlife Data Base; USFS, Fort  
Collins Computer Center; University of MI, University  
of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million Bytes  
Disc storage: 3600 million Bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALGOL  
FORTRAN  
BASIC  
COBOL  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
Forestry's self developed DBMS  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small  
flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -  
off-road vehicle registration; make and model, registration number, dealer registration, manufacturer number

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
City  
Zip code  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Tabular, county, registration number  
OUTPUT PRODUCTS :Interactive video display capability  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous

USER FEES POLICY :Information is generally not provided  
DATE OF INFORMATION :7/23/83  
PAPER FILE NUMBER :PA8

ORIGINAL PAGE IS  
OF POOR QUALITY

PA003-07

CODE :PA003-08

STATE :PA  
DATA BASE NAME :PA Bureau of Forestry File Holdings  
SUBJECT COVERAGE :Forest resources  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Bureau of Forestry  
RESPONDENT :Kenneth H. Hickok, Section Chief  
Biometrics Section  
Bureau of Forestry  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-3444  
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

#### COMPUTER FACILITIES

COMPUTER(S) :ECS 4500  
BURROUGHS B-20  
BURROUGHS 6700  
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned  
by the Department of Environmental Resources ( Forestry is a unit of DER)  
Other facilities used - Bloomsburg State College for  
access of PA Fish and Wildlife Data Base; USFS, Fort  
Collins Computer Center; University of MI, University  
of MN  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
SYSTEM CAPACITY :Main memory: 6 million Bytes  
Disc storage: 3600 million Bytes  
Simultaneous users supported: 125 approx.  
LANGUAGE(S) :ALGOL  
FORTRAN  
BASIC  
COBOL  
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10  
SPSS  
Forestry's self developed DIMS  
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small  
flatbed pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -  
Cooperative Forest Management (CFM) Program accomplish-  
ment report, trend analysis, forest fire statis-

tics, fire warden directory, sawmill analysis,  
nursery inventory, survey traverse computation  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :County  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Tabular, various  
OUTPUT PRODUCTS :Tables, statistical summaries, interactive video  
display capability  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Weekly, monthly, annual

DOCUMENTATION :General information available  
USER FEES POLICY :Information is usually not provided  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :PA8

ORIGINAL PAGE IS  
OF POOR QUALITY

PA003-08

CODE :PA004-01

CODE :PA005-01

STATE :PA  
 DATA BASE NAME :PA Stream and Lake Inventory  
 SUBJECT COVERAGE :Streams and lakes, properties and species present  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :PA Fish Commission  
 RESPONDENT :Richard A. Snyder, Chief, Fisheries Management Section  
 PA Fish Commission  
 405 Robinson Lane  
 Bellefonte, PA 16823-9616  
 Telephone: 814-359-2754  
 OTHER CONTACTS :Robert Lahr, Chief, Statistical Services

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
 RESIDENCE :PA State University, University Park, PA  
 OPERATION :Batch and Interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
 streams and lakes: species (fish, plants, invertebrates), chemical properties, social properties, physical properties, use and harvest  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific (individual lake or section of stream)  
 DATA STORAGE FORMAT :Card image  
 OUTPUT PRODUCTS :Tables, graphics, modelling capability, statistical summaries, computer tape, availability on a customized basis  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Depends on inventory cycle of individual area biologist  
 CONFIDENTIALITY :PA Fish Commission controls access  
 CLASSIFICATION :System for allocating catchable-sized trout to stream sections  
 COMMENTS :The PA Fish Commission is a rather small agency within the Commonwealth, and is funded mainly through the sale of fishing licenses rather than general appropriations. Staff size is small and dissemination of information is limited. Requests will be considered on a case-by-case basis.

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USER FEES POLICY :Depends on the user group, volume and present work load  
 DATE OF INFORMATION :7/25/83  
 PAPER FILE NUMBER :PA10

STATE :PA  
 DATA BASE NAME :Delaware Valley Regional Planning Commission Data Base  
 SUBJECT COVERAGE :Census, land use, employment, transportation data, etc.  
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton SMSA's  
 AGENCY :Delaware Valley Regional Planning Commission  
 RESPONDENT :William L. Greene, Director, Regional Information Services Center  
 Delaware Valley Regional Planning Commission  
 The Bourse Building, 21 South Fifth Street  
 Philadelphia, PA 19106  
 Telephone: 215-592-1800

COMPUTER FACILITIES

COMPUTER(S) :IBM 4331  
 RESIDENCE :In-house

IN-HOUSE FACILITIES

OPERATING SYSTEM :VM/CMS  
 SYSTEM CAPACITY :Main memory: 2 Meg  
 Disc storage: 800 million Bytes  
 Simultaneous users supported: 20  
 LANGUAGE(S) :COBOL  
 FORTRAN  
 PL/I

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
 census data, employment  
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton standard metropolitan service areas

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DATA CATEGORY NAME :Land use  
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton standard metropolitan service areas

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DATA CATEGORY NAME :Transportation  
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton standard metropolitan service areas

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DATE OF INFORMATION :7/22/83  
 PAPER FILE NUMBER :PA12

ORIGINAL PAGE 13  
OF POOR QUALITYPA004-01  
PA005-01

CODE :PA006-01

STATE :PA  
 DATA BASE NAME :SEDA-Council of Governments Data Base  
 DATA BASE ACRONYM :SEDA-COG  
 SUBJECT COVERAGE :Natural resources, mineral resources, land uses  
 GEOGRAPHIC COVERAGE :Central PA, includes Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties  
 AGENCY :SEDA-Council of Governments  
 RESPONDENT :Thomas P. Bresenhan, Senior Program Analyst  
 :SEDA-Council of Governments  
 :R.D. 1  
 :Lewisburg, PA 17837  
 :Telephone: 717-524-4491  
 OTHER CONTACTS :D. Robinson, Executive Director

#### COMPUTER FACILITIES

COMPUTER(S) :TANDY  
 TRS  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Disc storage: 40 Megabytes  
 LANGUAGE(S) :BASIC  
 :PASCAL  
 :COBOL  
 PERIPHERAL DEVICES :Line printer (character graphics)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - populations  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Geology - physiography, surficial geology

GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Environmental quality - hazardous wastes  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Surface water - flooding, floodplains, flood prone areas  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Land cover - forest land, cropland, pasture, urban/built-up  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 :Not geographically referenced  
 MINIMUM RESOLUTION :Township

ORIGINAL PAGE 13  
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DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Boundaries -  
 counties, townships, census blocks, watersheds, river  
 basins, regional planning districts  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming,  
 Mifflin, Montour, Northumberland, Perry, Snyder,  
 and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Soils data -  
 series, capability class  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming,  
 Mifflin, Montour, Northumberland, Perry, Snyder,  
 and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Topography -  
 elevation, slope  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming,  
 Mifflin, Montour, Northumberland, Perry, Snyder,  
 and Union Counties  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Not geographically referenced  
 MINIMUM RESOLUTION :Township  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

ORIGINAL PAGE IS  
 OF POOR QUALITY

DATA CATEGORY NAME :Energy -  
 resources - coal/lignite, ownership, production,  
 surficial geology, bedrock geology, watershed bound-  
 aries, township boundaries  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming,  
 Mifflin, Montour, Northumberland, Perry, Snyder,  
 and Union Counties  
 GEOGRAPHIC REFERENCE :State Plane Coordinates  
 MINIMUM RESOLUTION :2-5 acres, township  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Land use -  
 livestock production, transportation, urban/built-up,  
 parks, ownership (public vs private), township bound-  
 aries  
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming,  
 Mifflin, Montour, Northumberland, Perry, Snyder,  
 and Union Counties  
 GEOGRAPHIC REFERENCE :Not geographically referenced  
 MINIMUM RESOLUTION :County  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Maps - variable scale  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 5 years, last update 1976

DOCUMENTATION :SEDA-COG Map Inventory (1975)  
 USER FEES POLICY :Fees are charged on a cost recovery basis, and depend on  
 the job and the client  
 DATE OF INFORMATION :9/28/83  
 PAPER FILE NUMBER :PA19



CODE :PA007-01

STATE :PA  
DATA BASE NAME :PA Abandoned Mine Lands Inventory  
SUBJECT COVERAGE :Information on abandoned coal mine land  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Currently incomplete  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :J. Dixon Earley, Director  
Bureau of Abandoned Mine Reclamation  
PA Department of Environmental Resources  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-783-7992  
OTHER CONTACTS :Daniel M. Henry, Hydraulic Engineer  
Telephone: 717-787-7669

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B-6700  
RESIDENCE :Central government computer center  
GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Abandoned mine land -  
location, type, nature of abandoned coal mine features  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific  
OUTPUT PRODUCTS :Tables, statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Data has not been updated to date and updating proce-  
dures have not been fully developed  
COMMENTS :Data are part of a national abandoned mine lands inven-  
tory prepared by the Federal Office of Surface Mining

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DOCUMENTATION :Not yet completed  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :7/22/83  
PAPER FILE NUMBER :PA25

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :PA008-01

CODE :PA008-02

STATE :PA  
 DATA BASE NAME :Picture-Rocks-Sonestown Trace Elements  
 SUBJECT COVERAGE :Geology  
 GEOGRAPHIC COVERAGE :Catskill Formation  
 AGENCY :PA Department of Environmental Resources  
 RESPONDENT :John H. Barnes, Geologist  
 Bureau of Topographic and Geologic Survey  
 PA Department of Environmental Resources  
 101 South Second Street  
 PO Box 2357  
 Harrisburg, PA 17120  
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II  
 RESIDENCE :In-house  
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/M  
 SYSTEM CAPACITY :Main memory: 64 K  
 Disc storage: 280 K  
 Simultaneous users supported: 1  
 LANGUAGE(S) :BASIC APPLESOFT  
 Assembler  
 SPECIALIZED SOFTWARE :DB Master  
 dBASE II  
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
 line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 bedrock geology, geographic data, field data, trace  
 element data  
 GEOGRAPHIC COVERAGE :Catskill Formation (parts of Sullivan and Lycoming  
 Counties)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Data will be published in a book  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :One-time project  
 CONFIDENTIALITY :Data were compiled for a report to be published, and  
 may not be released prior to publication

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USER FEES POLICY :Data bases are maintained for in-house use only  
 DATE OF INFORMATION :7/11/83  
 PAPER FILE NUMBER :PA28

STATE :PA  
 DATA BASE NAME :PA Mineral List  
 SUBJECT COVERAGE :Geology  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :PA Department of Environmental Resources  
 RESPONDENT :John H. Barnes, Geologist  
 Bureau of Topographic and Geologic Survey  
 PA Department of Environmental Resources  
 101 South Second Street  
 PO Box 2357  
 Harrisburg, PA 17120  
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II  
 RESIDENCE :In-house  
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/M  
 SYSTEM CAPACITY :Main memory: 64 K  
 Disc storage: 280 K  
 Simultaneous users supported: 1  
 LANGUAGE(S) :BASIC APPLESOFT  
 Assembler  
 SPECIALIZED SOFTWARE :DB Master  
 dBASE II  
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
 line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 bedrock geology, minerals found in PA,  
 JCPDS X-Ray data  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Not geographically referenced  
 MINIMUM RESOLUTION :Not geographically referenced  
 DATA STORAGE FORMAT :Tabular, by mineral name  
 OUTPUT PRODUCTS :Statistical summaries  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :JCPDS data annually, mineral data sporadically  
 CONFIDENTIALITY :Mineral data may not be released prior to publication  
 in book form. JCPDS data is copyrighted and purchased  
 by the Geological Survey solely for their in-house use

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USER FEES POLICY :Data bases are maintained for in-house use only  
 DATE OF INFORMATION :7/11/83  
 PAPER FILE NUMBER :PA28

ORIGINAL PAGE IS  
OF POOR QUALITYPA008-01  
PA008-02

CODE :PA008-03

CODE :PA008-04

STATE :PA  
 DATA BASE NAME :Directory of Mineral Industry (Non-fuel)  
 SUBJECT COVERAGE :Geology  
 GEOGRAPHIC COVERAGE :Statewide, eventually  
 STATUS :Expected date of automation 1983, however automation  
 has not yet begun  
 AGENCY :PA Department of Environmental Resources  
 RESPONDENT :John H. Barnes, Geologist  
 Bureau of Topographic and Geologic Survey  
 PA Department of Environmental Resources  
 101 South Second Street  
 PO Box 2357  
 Harrisburg, PA 17120  
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II  
 RESIDENCE :In-house  
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/M  
 SYSTEM CAPACITY :Main memory: 64 K  
 Disc storage: 280 K  
 Simultaneous users supported: 1  
 LANGUAGE(S) :BASIC APPLESOFT  
 Assembler  
 SPECIALIZED SOFTWARE :DB Master  
 dBASE II  
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
 line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 exploration/extraction  
 GEOGRAPHIC COVERAGE :Statewide, eventually  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, will be published in book form  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Unknown at present  
 UPDATE FREQUENCY :Annual anticipated  
 CONFIDENTIALITY :Certain data specific to individual sites will be  
 confidential

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USER FEES POLICY :Data bases are maintained for in-house use only  
 DATE OF INFORMATION :7/11/83  
 PAPER FILE NUMBER :PA28

STATE :PA  
 DATA BASE NAME :Reading Prong  
 SUBJECT COVERAGE :Geology  
 GEOGRAPHIC COVERAGE :An area in southeastern PA  
 AGENCY :PA Department of Environmental Resources  
 RESPONDENT :John H. Barnes, Geologist  
 Bureau of Topographic and Geologic Survey  
 PA Department of Environmental Resources  
 101 South Second Street  
 PO Box 2357  
 Harrisburg, PA 17120  
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II  
 RESIDENCE :In-house  
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/M  
 SYSTEM CAPACITY :Main memory: 64 K  
 Disc storage: 280 K  
 Simultaneous users supported: 1  
 LANGUAGE(S) :BASIC APPLESOFT  
 Assembler  
 SPECIALIZED SOFTWARE :DB Master  
 dBase II  
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,  
 line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 field, chemical, mineral, trace-element  
 GEOGRAPHIC COVERAGE :An area in southeast PA (parts of Northampton,  
 Lehigh, and Berks Counties)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, graphics, data will be published in book form  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :One-time project  
 CONFIDENTIALITY :Data were compiled for a report to be published, and  
 may not be released prior to publication

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USER FEES POLICY :Data bases are maintained for in-house use only  
 DATE OF INFORMATION :7/11/83  
 PAPER FILE NUMBER :PA28

ORIGINAL PAGE 18  
OF POOR QUALITYPA008-03  
PA008-04

CODE :PA009-01

STATE :PA  
DATA BASE NAME :Water Resources Data System  
SUBJECT COVERAGE :Historic and projected populations, water use, abandoned mine problem areas, reservoirs, stream encroachments, fishing and boating use  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :William A. Gast, Chief, State Water Plan Division  
Bureau of Water Resources Management  
PA Department of Environmental Resources  
212 Evangelical Press Building  
PO Box 1467  
Harrisburg, PA 17120  
Telephone: 717-787-5008  
OTHER CONTACTS :Thomas Denslinger, Chief, Water Use and Allocation Section  
Telephone: 717-787-5009  
Robert Elliott, Computer Operations  
Telephone: 717-787-5008

#### COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B-6700  
BURROUGHS B-22 (Hoping to purchase)  
RESIDENCE :In-house  
OPERATION :Batch  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 1,048,000 Bytes  
LANGUAGE(S) :COBOL  
ALGOL  
FORTRAN  
PERIPHERAL DEVICES :Hard copy terminals (2), small flatbed pen plotter (within one year)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water - discharge/volume/stage, water body type, supply and storage, flooding, stream orders, water rights  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
MINIMUM RESOLUTION :Ownership unit, management unit  
DATA STORAGE FORMAT :Coordinate point, tabular  
OUTPUT PRODUCTS :Tables, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :Annually, biennially, every 5 years

DATA CATEGORY NAME :Groundwater - well location  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
MINIMUM RESOLUTION :Management unit, site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Low  
UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Demography - populations (historic and projected)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Municipality  
MINIMUM RESOLUTION :Township  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, modelling capability, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :Every 10 years

DATA CATEGORY NAME :Wildlife - fish - game and non-game, boating usage  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Stream  
MINIMUM RESOLUTION :Watershed or river basin  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :As needed and funds allow

DATA CATEGORY NAME :Abandoned mine land - problem areas  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
MINIMUM RESOLUTION :Management unit  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Statistical summaries, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :Continuous  
COMMENTS :Data are supplied to the Bureau of Surface Mining

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DATA CATEGORY NAME :Water use -  
 public water supply, agricultural livestock, agricul-  
 tural irrigation, mineral industry, manufacturing  
 industry, self-supplied domestic, power generation  
 cooling  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 MINIMUM RESOLUTION :Ownership unit, site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annually, biennially, every 5 years

DOCUMENTATION :Will be available within one year  
 USER FEES POLICY :Fees are charged for all products and services according  
 to a fee schedule  
 DATE OF INFORMATION :7/11/83  
 PAPER FILE NUMBER :PA29

ORIGINAL PAGE IS  
 OF POOR QUALITY

CODE :PA010-01

STATE :PA  
DATA BASE NAME :Water Well Inventory  
SUBJECT COVERAGE :Groundwater, subsurface geology  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :Alan R. Geyer, Chief, Environmental Geology Division  
Bureau of Topographic and Geologic Survey  
PA Department of Environmental Resources  
101 South Second Street  
PO Box 2357  
Harrisburg, PA 17120  
Telephone: 717-787-5828  
OTHER CONTACTS :Dr. Arthur A. Socolow, State Geologist  
Telephone: 717-787-2169  
Donna M. Snyder, Administrator  
Telephone: 717-787-5828

COMPUTER FACILITIES

COMPUTER(S) :APPLE II  
TEKTRONIX 40/50  
BURROUGHS B-6700  
RESIDENCE :Department of Environmental Resources Computer  
Facility  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (2), mechanical digitizer,  
line printer (character graphics), hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
quantity, discharge/pumpage, well location, well  
ownership, well use, well construction, depths and  
yields  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
County  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Statistical summaries, computer printouts  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous  
COMMENTS :Data are supplied to USGS - WATSTORE

DATA CATEGORY NAME :Geology -  
physiography, surficial geology, bedrock geology,  
depth to bedrock, geologic log  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
County  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Statistical summaries, computer printouts  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous

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DOCUMENTATION : "A Guide to DER's Bureau of Topographic and Geologic  
Survey WELL DATA SYSTEM an Inventory of Water Well  
Information" (1975)  
USER FEES POLICY :Fees are charged for products only  
DATE OF INFORMATION :7/8/83  
PAPER FILE NUMBER :PA30

ORIGINAL PAGE IS  
OF POOR QUALITY

PA010-01

CODE :PA011-01

STATE :PA  
DATA BASE NAME :Integrated Flood Observing and Warning System  
DATA BASE ACRONYM :IFLOWS  
SUBJECT COVERAGE :Remote flash flood forecast and monitoring  
GEOGRAPHIC COVERAGE :Three major river basins in PA, the Upper Delaware, the  
Susquehanna, and the Ohio Basins, includes 16 counties  
AGENCY :PA Emergency Management Agency  
RESPONDENT :Ronald K. Bodnar, Planning Analyst  
PA Emergency Management Agency  
PO Box 3321  
Harrisburg, PA 17105  
Telephone: 717-783-8150  
OTHER CONTACTS :Craig Williamson, Deputy Director

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/23  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RT-11, Vol 4 and TSX+, Vol 2.1  
LANGUAGE(S) :BASIC  
SPECIALIZED SOFTWARE :RAIN (user software designed for IFLOWS)  
PERIPHERAL DEVICES :Monochrome graphics CRT, line printer (character  
graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
flooding, flood forecasting  
GEOGRAPHIC COVERAGE :Sixteen counties/three major river basins  
(Butler, Armstrong, Allegheny, Westmoreland, Somerset,  
Cambria, Centre, Union, Mifflin, Clinton, Lycoming,  
Luzerne, Lackawanna, Wayne, Pike, and Monroe Counties)  
(Upper Delaware, Susquehanna, and Ohio Basins)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Climate/weather -  
rainfall, natural disasters, flash flood forecasting,  
rainfall analyses

GEOGRAPHIC COVERAGE :Sixteen counties/three major river basins  
(Butler, Armstrong, Allegheny, Westmoreland, Somerset,  
Cambria, Centre, Union, Mifflin, Clinton, Lycoming,  
Luzerne, Lackawanna, Monroe, Wayne, and Pike Counties)  
(Upper Delaware, Susquehanna and Ohio Basins)  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous

DOCUMENTATION :Newsletter, "RAIN (Software) User Guide"  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :9/19/83  
PAPER FILE NUMBER :PA31

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :PA012-01

STATE :PA  
 DATA BASE NAME :PA Emission Data System  
 DATA BASE ACRONYM :PEDS  
 SUBJECT COVERAGE :Air quality  
 GEOGRAPHIC COVERAGE :Statewide, except Philadelphia  
 AGENCY :PA Department of Environmental Resources  
 RESPONDENT :John Walker, Air Quality Program Specialist  
 Bureau of Air Quality Control  
 PA Department of Environmental Resources  
 Fulton Bank Building  
 200 North Third Street  
 Harrisburg, PA 17120  
 Telephone: 717-787-4324  
 OTHER CONTACTS :Pat Duohl, Computer Systems Analyst  
 David Sheets, Chief, Information Processing

#### COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B-6700  
 RESIDENCE :In-house  
 OPERATION :Batch and interactive  
 GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2  
 SYSTEM CAPACITY :Main memory: 6,291,450 Bytes  
 Disk storage: 3,681,582 Bytes  
 Simultaneous users supported: 100 maximum,  
 50 practical limit  
 LANGUAGE(S) :COBOL  
 FORTRAN  
 ALGOL  
 BASIC  
 SPECIALIZED SOFTWARE :BURROUGHS DMS II  
 SPSS  
 SYMAP  
 BLPRINTMCS  
 GENCOS  
 PERIPHERAL DEVICES :TEKTRONIX IGL (to be installed)  
 Hard copy terminal, alphanumeric CRT's (approx  
 71), auxiliary printers (approx 23), misc. (10)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
 air quality, point pollution, plant characteristics,  
 air emissions, source description, source operation,  
 fuel data, control devices (air pollution control  
 equipment), stack parameters  
 GEOGRAPHIC COVERAGE :Statewide, except Philadelphia, (Allegheny County has  
 an independent county agency also)

GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 UTM includes Zone designator (10 meter precision)  
 County  
 Municipality (township, borough, city)  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Interactive video display capability (in-house only),  
 computer tape (limited availability), fixed and vari-  
 able format reports through batch processing  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Annual. Dual data base, new data base created each  
 year for update. Completed data base available for  
 reporting. Archive data bases on microfiche.  
 CONFIDENTIALITY :At request of source owner, certain data may be  
 excluded from public reports  
 CLASSIFICATION :Facilities classified according to total plant emis-  
 sions  
 COMMENT :Data are supplied to EPA/NEEDS

DOCUMENTATION :Available on data structure, data encoding format/proce-  
 dure, general information, and software (partially com-  
 pleted)  
 "Procedures Guide" Pennsylvania Emission Data System,  
 Fourth Edition, June 1982. (a reference and instruction  
 manual for the use of Air Quality field staff)  
 USER FEES POLICY :Fees are charged on a cost recovery basis  
 DATE OF INFORMATION :8/1/83  
 PAPER FILE NUMBER :PA39

ORIGINAL PAGE IS  
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PA012-01



CODE :PA013-01

STATE :PA  
DATA BASE NAME :Solid Waste Activity Monitoring  
DATA BASE ACRONYM :SWAM  
SUBJECT COVERAGE :Hazardous waste facilities and shipments  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :Gary Galida, Chief, Division of Hazardous Waste Management  
Bureau of Solid Waste Management  
PA Department of Environmental Resources  
Fulton Bank Building  
200 North Third Street  
PO Box 2063  
Harrisburg, PA 17120  
Telephone: 717-787-7381  
OTHER CONTACTS :Donald A. Lazarchik, Director, Bureau of Solid Waste Management  
Telephone: 717-787-9870  
Keith C. Kerns, Solid Waste Program Specialist  
Telephone: 717-787-9871  
Gerald L. Miller, Project Spvsr., Bureau of Information Systems  
Telephone: 717-783-9592

#### COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS D-6805  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2 - 3.3  
SYSTEM CAPACITY :Main memory: 6.1 million Bytes  
Disc storage: 2 billion Bytes  
Simultaneous users supported: 40 - 50  
LANGUAGE(S) :COBOL  
FORTRAN  
SPECIALIZED SOFTWARE :IGL  
DMS II  
SPSS  
SYMAP  
PERIPHERAL DEVICES :Monochrome alpha-numeric CRT's (125), line printers (alpha-numeric) (2), remote printers (alpha-numeric) (25)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - hazardous waste: facility records, hazardous waste descriptions, shipments

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Not geographically referenced  
Files contain general information: county, town, zip code, street address  
MINIMUM RESOLUTION :County  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Statistical summaries, computer tape, files  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
CONFIDENTIALITY :Some information in the system is not available to the public  
COMMENTS :Data are supplied to EPA Hazardous Waste Information System

DOCUMENTATION :General information is available (documentation is not available to the public)  
USER FEES POLICY :Computer output/information (printouts, tapes) are not provided to the public, but are available for review at the address listed above. (Printouts only, no on-line access)  
DATE OF INFORMATION :7/12/83  
PAPER FILE NUMBER :PA42

ORIGINAL PAGE IS  
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PA013-01

CODE :PA014-01

STATE :PA  
DATA BASE NAME :State Park Basic Information Data System  
DATA BASE ACRONYM :BIDS  
SUBJECT COVERAGE :Recreation - State Park statistical and descriptive information  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :Dr. Charles H. Strauss, Assoc. Professor of Forest Economics, PA State University  
Bureau of State Parks  
PA Department of Environmental Resources  
Evangelical Press Building, Third and Reilly Streets  
Harrisburg, PA 17120  
Telephone: 814-865-4574

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :PA State University, University Park, PA  
OPERATION :Batch  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Black and white CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -  
State Parks; land acres, water acres, dams, shoreline  
miles, stream miles, facilities, historic structures,  
tree nursery acres, park infrastructure  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Not geographically referenced  
MINIMUM RESOLUTION :Township  
OUTPUT PRODUCTS :Statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Annual

DOCUMENTATION :General information available  
"Basic Information Data System Guidelines"  
USER FEES POLICY :Services contracted for by Bureau of State Parks, from  
PA State University  
DATE OF INFORMATION :7/12/83  
PAPER FILE NUMBER :PA43

CODE :PA015-01

STATE :PA  
DATA BASE NAME :Permit Files  
SUBJECT COVERAGE :Geology - mining  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Currently being automated  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :Robert W. Agnew, Mining Permit and Compliance Specialist  
Bureau of Mining and Reclamation  
PA Department of Environmental Resources  
Fulton Bank Building, 200 North Third Street  
P.O. Box 2063  
Harrisburg, PA 17120  
Telephone: 717-783-8846

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
exploration/extraction - permitted surface and underground  
mining sites (hydrologic data and geologic data)  
GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :3/28/83  
PAPER FILE NUMBER :PA23

ORIGINAL PAGE 19  
OF POOR QUALITY

PA014-01  
PA015-01

CODE :PA016-01

STATE :PA  
DATA BASE NAME :Air Quality Permit Application System  
SUBJECT COVERAGE :Environmental quality - air  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :Douglas L. Lusher  
Bureau of Air Quality Control  
PA Department of Environmental Resources  
Fulton Bank Building, 200 North Third Street  
Harrisburg, PA 17120  
Telephone: 717-787-4324

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
air quality, location, emissions, actions

DATE OF INFORMATION :1/31/83  
PAPER FILE NUMBER :PA38

CODE :PA017-01

STATE :PA  
DATA BASE NAME :PA Recreation Inventory  
SUBJECT COVERAGE :Recreation  
AGENCY :PA Department of Environmental Resources  
RESPONDENT :Robert Raves  
Bureau of Environmental Planning  
PA Department of Environmental Resources  
Fulton Bank Building, 200 North Third Street  
Harrisburg, PA 17120  
Telephone: 717-787-7395

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -  
name, ownership, acreage, water acreage, stream miles,  
facilities, conservation areas, use

DATE OF INFORMATION :1/31/83  
PAPER FILE NUMBER :PA41

ORIGINAL PAGE IS  
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PA016-01  
PA017-01

CODE :PA018-01

STATE :PA  
DATA BASE NAME :PA State Data Center  
DATA BASE ACRONYM :PSDC  
SUBJECT COVERAGE :Demographic data  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The PSDC has been established through an Executive Order issued by Governor Thornburgh; the objective is to provide a coordinated means for ready access to statistical products and related services.

Products and services available through the PSDC are:  
Census Bureau printed reports, microfiche, and  
reference maps  
PSDC printed reports  
Consultation on data availability and use  
Computer tape processing  
Demographic and geographic profiles  
Statistical analyses  
Statistical mapping and geoprocessing

The PSDC is currently, (December 1982), developing a new tool, Geo-DAS, which stands for Geographic Data Access System. Scheduled for completion in February 1983, Geo-DAS will enable the PSDC to provide data for user defined geographic areas such as corridors, sectors, or rings. Geo-DAS will be extremely useful for applications such as facility siting, neighborhood planning, marketing, emergency management and environmental impact analysis.

AGENCY :PA Institute of State and Regional Affairs (ISRA)  
RESPONDENT :The PA State Data Center  
Institute of State and Regional Affairs  
The Pennsylvania State University  
The Capitol Campus  
Middletown, PA 17057  
Telephone: 717-948-6336

OTHER CONTACTS :A network of Affiliate Data Centers are located across the Commonwealth  
:Irving Hand, Director, ISRA  
Robert Surridge, Assistant Director, ISRA

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
population, housing, agriculture, manufacturing,  
retail and wholesale trade, governments, etc.  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State  
County  
Municipality

#### OUTPUT PRODUCTS DATA SOURCES

Census tract  
:Printed reports, microfiche, computer files  
:Secondary

DOCUMENTATION :General information and a periodic newsletter are available  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :1/31/83  
PAPER FILE NUMBER :PA36

ORIGINAL PAGE IS  
OF POOR QUALITY

PA018-01

CODE :PRO01-01

STATE :PR  
 DATA BASE NAME :Puerto Rico  
 SUBJECT COVERAGE :land use, land cover, forestry, climate/weather, surface water  
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
 AGENCY :MS Remote Sensing Center  
 RESPONDENT :W. Frank Miller, Director  
 :MS Remote Sensing Center  
 :P.O. Drawer FR  
 :Mississippi State, MS 39762  
 :Telephone: 601-325-3760  
 OTHER CONTACTS :Karen Minchow, Research Associate  
 :Telephone: 601-325-3760

#### COMPUTER FACILITIES

(COMPUTER(S)) :UNIVAC 1100/80  
 :BG ECLIPSE S/130  
 RESIDENCE :Mississippi State University computer center (UNIVAC  
 :1100/80); in-house (BG ECLIPSE S/130)  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS  
 SYSTEM CAPACITY :Main memory: 256K  
 :Disc storage: 96MB  
 :Simultaneous users supported: 2  
 LANGUAGE(S) :FORTRAN  
 :Assembler  
 SPECIALIZED SOFTWARE :Database manipulation/display package  
 :Suitability modelling package  
 PERIPHERAL DEVICES :Color image display, 2 line following digitizers,  
 :electrostatic plotter, color graphics camera

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
 :transportation, urban areas, proximity features  
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :4 hectares  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, model-  
 :ling capability, composite mapping, interactive video  
 :display capability  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Unknown  
 CONFIDENTIALITY :Proximity variables all pertain to U.S. Forest Service

Continuous Forest Inventory (CFI) plot locations, and  
 are subject to restricted access

DATA CATEGORY NAME :Forestry -  
 :Continuous Forest Inventory (CFI) plots, 1980 CFI  
 :forest survey station classifications  
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :4 hectares  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, model-  
 :ling capability, composite mapping, interactive video  
 :display capability  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Every 10 years  
 CONFIDENTIALITY :CFI plot locations are subject to restricted access

DATA CATEGORY NAME :Land cover -  
 :water, cropland, pasture, land cover values for and  
 :near CFI plots  
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :4 hectares  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, model-  
 :ling capability, composite mapping, interactive video  
 :display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Low  
 UPDATE FREQUENCY :Unknown  
 CONFIDENTIALITY :CFI plot locations are subject to restricted access  
 CLASSIFICATION :Classification scheme developed in-house to conform  
 :with U.S. Forest Service specifications  
 COMMENTS :Landsat NSS source data

DATA CATEGORY NAME :Climate/weather -  
 :atmospheric interference  
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :4 hectares  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, model-  
 :ling capability, composite mapping, interactive video  
 :display capability  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Unknown  
 UPDATE FREQUENCY :Unknown

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PRO01-01

COMMENTS :Landsat NSS source data

-----  
DATA CATEGORY NAME :Climate/weather -  
life zone boundaries  
GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
MINIMUM RESOLUTION :4 hectares  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, model-  
ling capability, composite mapping, interactive video  
display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Unknown  
COMMENTS :Last updated 1973  
-----

DATA CATEGORY NAME :Surface water hydrology  
GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico  
GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced  
MINIMUM RESOLUTION :4 hectares  
DATA STORAGE FORMAT :Grid  
OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, model-  
ling capability, composite mapping, interactive video  
display capability  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Unknown  
-----

DOCUMENTATION :Descriptions of data structure and data types available  
USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/25/83  
PAPER FILE NUMBER :NS2-5

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :PRO02-01

STATE :PR  
DATA BASE NAME :Hydrological Data Bank of Puerto Rico  
SUBJECT COVERAGE :Climate/weather  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :PR Department of Natural Resources  
RESPONDENT :Felix I. Aponte, Division Director  
Water Division  
PR Department of Natural Resources  
P.O. Box 5887, Puerta De Tierra  
Sanurce, PR 00906  
Telephone: 809-724-4418  
OTHER CONTACTS :Gaddiel Ayala, Natural Resources Specialist

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
HONEYWELL 68  
PRIME 150  
RESIDENCE :University of Puerto Rico, Rio Piedras (IBM 370);  
PR Department of Transportation and Public Works  
(HONEYWELL 68); in-house (PRIME 150)  
OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Televideo

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
wind, temperature, precipitation  
GEOGRAPHIC COVERAGE :Statewide  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Computer tape, computer disk  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :High  
COMMENTS :Data also routinely supplied to USGS/WATSTORE

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DOCUMENTATION :General information and descriptions of software and  
data encoding format/procedures available  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :8/19/83  
PAPER FILE NUMBER :PR4

ORIGINAL PAGE IS  
OF POOR QUALITY

PRO02-01

CODE :PR003-01

STATE :PR  
 DATA BASE NAME :Natural, Cultural and Environmental Resources Inventory  
 DATA BASE ACRONYM :NCEI  
 SUBJECT COVERAGE :Geology, surface water, land cover, land use, boundaries, soils data and topography  
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
 STATUS :A land use and natural resources inventory system was developed for the Commonwealth of Puerto Rico. The Puerto Rico Division of Scientific Inventory provided manpower to conduct field studies, assumed responsibility for data collection, and interpreted all data collected. Cornell University developed the codes and methodology for translating all information obtained into computer terminology so that it could be retrieved and analyzed in map or tabular form.  
 AGENCY :PR Department of Natural Resources  
 RESPONDENT :Alejandro Candelario, Division Director  
 Office of the Scientific Inventory  
 PR Department of Natural Resources  
 Box 3887 Puerta de Tierra  
 San Juan, PR 00906  
 Telephone: 809-722-3571  
 OTHER CONTACTS :Piedad Morayta, Director, User Services Section  
 Dr. Jose A. Diaz Pinero, Computer Center Director

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
 RESIDENCE :University of Puerto Rico, Rio Piedras  
 OPERATION :Batch  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Televideos (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 bedrock geology  
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years, last update 1979

DATA CATEGORY NAME :Surface water -  
 watershed boundaries, floodplains  
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years, last update 1979

DATA CATEGORY NAME :Land cover -  
 barren land, forest land, water, wetlands, cropland, pasture, urban/built-up  
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years, last update 1979  
 CLASSIFICATION :Cornell University - Land Use  
 National Wetlands Classification

DATA CATEGORY NAME :Land use -  
 cropland, transportation, urban/built-up, recreation, parks  
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Every 5 years, last update 1979  
 CLASSIFICATION :Cornell University - Land Use

DATA CATEGORY NAME :Boundaries -  
 state, counties, townships, watersheds  
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape

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PR003-01



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DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Every 5 years, last update 1979

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DATA CATEGORY NAME :Soils data -  
series, engineering characteristics, erosion  
GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
DATA STORAGE FORMAT :Grid, coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries,  
computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Every 5 years, last update 1979

C-4  
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DATA CATEGORY NAME :Topography -  
elevation, slope  
GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)  
DATA STORAGE FORMAT :Grid, coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries,  
computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Every 5 years, last update 1979

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DOCUMENTATION :Available on data structure, data encoding format/pro-  
cedure, and software  
"Natural, Cultural and Environmental Resources Inventory  
(NCEI) Report" (four volumes). Division of Scientific  
Inventory, Puerto Rico DNR, and the Center for Aerial  
Photographic Studies at Cornell University, Ithaca, NY  
January, 1973.  
DATE OF INFORMATION :8/11/83  
PAPER FILE NUMBER :PK3

CODE :PR004-01

STATE :PR  
DATA BASE NAME :PR Department of Agriculture Files  
SUBJECT COVERAGE :Agriculture - business and non-commercial production  
GEOGRAPHIC COVERAGE :Regional  
STATUS :During the past two years the Production and Analysis Division has been introducing a new computer system in their agency, while at the same time using the services of equipment shared with other governmental agencies. They are still in the process of installing this system and hope that it will be ready in less than a year. Although they do not have a relational data base, files exist.  
AGENCY :PR Department of Agriculture  
RESPONDENT :Carmen R. Santana de Perez, Chief  
Division of Production and Analysis  
Office of Agricultural Statistics  
PR Department of Agriculture  
Stop 19, Fernandex Juncos Avenue  
PO Box 10163  
Sancti Spiritus, Puerto Rico 00908  
Telephone: 809-721-2120  
OTHER CONTACTS :Hilda Mulet, Director, Office of Agricultural Statistics

COMPUTER FACILITIES

COMPUTER(S) :PRIME 550 II  
RESIDENCE :Centralized Data Processing Center at Farm Credit Corporation  
OPERATION :Batch and interactive  
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture -  
business farm - value, prices, species, sales,  
weights, cattles to be slaughtered  
GEOGRAPHIC COVERAGE :Regional  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :Ownership unit, county, township  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Interactive video display capability, tables, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :By semester and sometimes as required, last update January 1983  
CONFIDENTIALITY :Must request permission from the Secretary of Agriculture

DOCUMENTATION :Published bulletins:  
"Facts and Figures on Puerto Rico's Agriculture"  
"La Matanza de Ganado en Puerto Rico" (livestock  
butchering)  
"Ingreso Agricola de Puerto Rico" (agricultural income)  
"Ventas de Abonos en Puerto Rico" (fertilizer sales)  
"Boletin Mensual de Estadisticas Agricolas" (monthly  
bulletin of agricultural statistics)  
DATE OF INFORMATION :9/9/83  
PAPER FILE NUMBER :PR13

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PR004-01

CODE :RI001-01

STATE :RI  
 DATA BASE NAME :Landsat Remote Sensing Center - Geographic Information System  
 SUBJECT COVERAGE :Land cover/use, boundaries  
 GEOGRAPHIC COVERAGE :Statewide underway  
 STATUS :An ELAS land cover/use classification for the State of RI is being performed as a training project by the State with the Eastern Regional Remote Sensing Applications Center (ERRSAC) and the Landsat Remote Sensing Center at the Graduate School of Oceanography, University of RI. The land cover/use study is about 40 percent complete, with the expected date of completion being February 1984. A GIS that would cover the entire State of RI is still in the planning stages. It will be housed at URI and the University will be responsible for maintenance and updates. The system size, hardware requirements, and other details are still being discussed, but there seems to be available funding for such a project. Until the time that a GIS is implemented the ELAS package will operate as an effective GIS for a RI data base.

AGENCY :University of RI  
 RESPONDENT :Mr. Kim A. Richardson, Manager  
 Landsat Remote Sensing Center  
 Graduate School of Oceanography  
 University of RI  
 South Ferry Road  
 Narragansett, RI 02882  
 Telephone: 401-792-6179

OTHER CONTACTS :Dr. James Griffen, Director of Facilities  
 Telephone: 401-792-6110

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 400  
 PRIME 750  
 RESIDENCE :In-house (PRIME 400)  
 Graduate School of Oceanography (PRIME 750)  
 OPERATION :Interactive  
 GIS CAPABILITY :Partial (a fully implemented GIS for URI/RI is still under consideration)

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS REV 19  
 SYSTEM CAPACITY :Main memory: 1.5 MB  
 Disc storage: 300 MB  
 Simultaneous users supported: 64

LANGUAGE(S) :FORTRAN  
 Assembler  
 PLI/G  
 PLP

#### SPECIALIZED SOFTWARE

:ZETA  
 NCAR  
 VECTRIX  
 BNDP  
 SAS  
 ELAS

#### PERIPHERAL DEVICES

:VECTRIX VX384, monochrome graphics CRT's (4), color graphics CRT, SONIC digitizer, line printer (character graphics), dot matrix printer with graphics, drum pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries -  
 state, counties, townships, watersheds, oceanographic

GEOGRAPHIC COVERAGE :Statewide underway  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 acre, 10 acres, watershed or river basin  
 DATA STORAGE FORMAT :Grid, polygon  
 OUTPUT PRODUCTS :Tables, graphics, modelling capability, statistical summaries, interactive video display capability, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Unknown  
 UPDATE FREQUENCY :Not yet determined

DATA CATEGORY NAME :Land cover/land use  
 GEOGRAPHIC COVERAGE :Statewide underway, currently 40 percent of the state  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :1 acre, 10 acres, watershed or river basin  
 DATA STORAGE FORMAT :Grid, polygon  
 OUTPUT PRODUCTS :Tables, graphics, modelling capability, statistical summaries, interactive video display capability, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Unknown  
 UPDATE FREQUENCY :Not yet determined  
 COMMENTS :Classification is being performed as a training project by the state with ERRSAC and the Landsat Remote Sensing Center

DOCUMENTATION :General information is available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :8/3/83  
 PAPER FILE NUMBER :R15

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RI001-01

CODE :RI002-01

STATE :RI  
DATA BASE NAME :RI Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Rhode Island and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :Department of Environmental Management  
RESPONDENT :Rick Ensor, Coordinator/Botanist  
RI Heritage Program  
Department of Environmental Management  
Division of Planning and Development  
83 Park Street  
Providence, RI 02903  
Telephone: 401-277-2776  
OTHER CONTACTS :Chris Ralthe, Zoologist  
Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :RI6

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CODE :SC001-01

STATE :SC  
DATA BASE NAME :SC Natural Resources Information System  
DATA BASE ACRONYM :SCNRIS  
SUBJECT COVERAGE :Land use/land cover, soils, topography, transportation, climate/weather, demography, geology, surface water, and boundaries  
GEOGRAPHIC COVERAGE :Most data are statewide, soils and transportation data are for special project areas  
STATUS :The University of SC Computer Services Division Graphics Section maintains an active role in the development and operation of automated cartographic techniques. Located in Columbia, SC, USC Computer Graphics consists of a team of professionals dedicated to the preparation of output products useful in management, development, and analysis of natural resources. One goal is the creation of a statewide data base. This system, the SC Natural Resources Information System (SCNRIS), will include such variables as landcover, soils, elevation, and roads. Data can be analyzed individually as single variable files or modeling techniques can be used with multi-variable files.  
AGENCY :University of South Carolina  
RESPONDENT :Gerald R. Minick, Research Forester  
Computer Services Division  
University of South Carolina  
1244 Blossom Street  
Columbia, SC 29208  
Telephone: 803-777-7236  
OTHER CONTACTS :George Walters, Graphics Manager  
Stan Lawrimore, Production Manager

#### COMPUTER FACILITIES

COMPUTER(S) :IBM PC  
DG ECLIPSE HV4000  
IBM 3033  
AMDahl 470/V6  
RESIDENCE :In-house , University of SC Computer Center  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :DATA GENERAL AOS  
SYSTEM CAPACITY :Main memory: 256 K words  
Disc storage: 196 K  
Simultaneous users supported: 16  
LANGUAGE(S) :FORTRAN  
BASIC  
Assembler  
SPECIALIZED SOFTWARE :ESRI  
CALCOMP Routines

ELAS  
USC  
SAS  
SPSS  
SYMAP  
CALFORM  
GIMMS  
SURFACE II  
DINEMAP  
NCAR

#### PERIPHERAL DEVICES

:Monochrome graphics CRT's (2), color image display, tablet-free cursor digitizers (4), scanning digitizer, line printer, electrostatic plotter, drum pen plotter, large or precision flatbed pen plotter, hard copy terminal, alphanumeric CRT's (12)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover - barren land, forest land (pine, mixed and hardwood forests), water, wetlands, cropland, pasture, urban/built-up, timber, mineral extraction/energy production, livestock production, transportation, recreation, parks, historical areas, archeological areas  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :One acre, site specific  
DATA STORAGE FORMAT :Grid, polygon  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous  
CLASSIFICATION :Anderson generally, some user specific like National Wetlands  
COMMENTS :Project results supplied to NASA, USFW, SCS, USFS, etc

DATA CATEGORY NAME :Soils data - type (parameters such as K factor and productivity class can be directly related to soil type)  
GEOGRAPHIC COVERAGE :Special project area (Lexington, Greenville, Abbeville Counties, and parts of Anderson and McCormick Counties)  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :One acre, site specific  
DATA STORAGE FORMAT :Grid, polygon  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display capability, computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate

SC001-01

UPDATE FREQUENCY :If a new soil survey is published  
 CLASSIFICATION :SCS  
 COMMENTS :Part of project reporting

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DATA CATEGORY NAME :Topography -  
 elevation, slope, aspect, terrain  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :One acre  
 DATA STORAGE FORMAT :Grid  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, modelling capability, composite mapping,  
 interactive video display, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As USGS updates their maps  
 CLASSIFICATION :USGS  
 COMMENTS :Project reports are supplied to federal agencies

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DATA CATEGORY NAME :Transportation -  
 roads, rail  
 GEOGRAPHIC COVERAGE :Special project area (Lexington and Greenville  
 Counties, parts of Anderson, Abbeville and McCormick  
 Counties, and along the coast)  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point, line data  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, modelling capability, composite mapping,  
 interactive video display, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed  
 CLASSIFICATION :SC Highway Department classification scheme  
 COMMENTS :Project reports are supplied to federal agencies

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DATA CATEGORY NAME :Climate/weather -  
 rainfall, temperature  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :One acre, site specific  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, modelling capability, composite mapping,  
 interactive video display, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed

COMMENTS :Project reports are supplied to federal agencies

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DATA CATEGORY NAME :Demography -  
 populations, social aspects, economic aspects  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :One acre, site specific  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, modelling capability, composite mapping,  
 interactive video display, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed  
 COMMENTS :Project reports are supplied to federal agencies

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DATA CATEGORY NAME :Geology -  
 surficial geology, bedrock geology  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :One acre, site specific  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, modelling capability, composite mapping,  
 interactive video display, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed  
 COMMENTS :Project reports are supplied to federal agencies

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DATA CATEGORY NAME :Surface water hydrology -  
 water body type, flood prone areas, stream orders  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :One acre, site specific  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, modelling capability, composite mapping,  
 interactive video display, computer tape

DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :As needed  
 COMMENTS :Project reports are supplied to federal agencies

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DATA CATEGORY NAME :Boundaries -  
 state, counties, watersheds, river basins

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GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
MINIMUM RESOLUTION :One acre, site specific  
DATA STORAGE FORMAT :Polygon  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
summaries, modelling capability, composite mapping  
interactive video display, computer tape  
DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :As needed  
COMMENTS :Project reports are supplied to federal agencies

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DOCUMENTATION :General information on USC Computer Services Division,  
and documentation on hardware and software are available  
USER FEES POLICY :Fees are charged for all products and services according  
to a fee schedule, on a cost recovery basis  
DATE OF INFORMATION :9/15/83  
PAPER FILE NUMBER :SC5

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CODE :SC002-01

STATE :SC  
DATA BASE NAME :SC Heritage Trust  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of South Carolina and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :SC Wildlife and Marine Resources Department  
RESPONDENT :Steve Bennett, Coordinator  
SC Heritage Trust  
SC Wildlife and Marine Resources Department  
P.O. Box 167  
Columbia, SC 29202  
Telephone: 803-758-0014  
OTHER CONTACTS :John Cely, Fish and Wildlife Biologist  
:Stu Greeter, Environmental Planner  
:Sam Phillips, Fish and Wildlife Biologist  
:Doug Raynor, Botanist  
:Jim Sorrow, Fish and Wildlife Biologist/  
Preserve Manager  
:Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :SC6

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SC002-01



CODE :SD001-01

CODE :SD002-01

STATE :SD  
 DATA BASE NAME :Climatological Data - Rain Gauge Network  
 SUBJECT COVERAGE :Climatological data - precipitation  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :SD Department of Water and Natural Resources  
 RESPONDENT :Ron Woodburn, Natural Resources Analyst  
 Division of Water Development  
 SD Department of Water and Natural Resources  
 Joe Foss Building, 523 East Capitol Street  
 Pierre, SD 57501  
 Telephone: 605-773-4216  
 OTHER CONTACTS :John J. Smith, Division Director  
 Patrick W. Rice, Natural Resources Engineer

#### COMPUTER FACILITIES

COMPUTER(S) :IBM-PC  
 N.P. 2647A  
 Unidentified main frame  
 RESIDENCE :Central Data Processing  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Color image display, tablet-free cursor digitizer, small flatbed pen plotter, drum pen plotter

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather - precipitation (daily for April - September)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Maps - one scale only, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High

STATE :SD  
 DATA BASE NAME :File 28  
 SUBJECT COVERAGE :Geological data  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :SD Geological Survey  
 RESPONDENT :Doris Mimmerath, Geologist and Data Base Manager  
 SD Geological Survey  
 SD Department of Water and Natural Resources  
 Science Center, University  
 Vermillion, SD 57069  
 Telephone: 605-624-4471  
 OTHER CONTACTS :Lynn S. Hedges, Hydrologist III

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3031  
 RESIDENCE :University of South Dakota  
 OPERATION :Batch and Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Alphanumeric CRT's (5) - rented from the University Computer Center

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - lithologic logs, water quality analyses, geologic sample analyses, water levels  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Public Land Survey  
 MINIMUM RESOLUTION :2 to 5 acres (not all sites have this precision)  
 DATA STORAGE FORMAT :Coordinate point  
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, computer tape  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Continuous

DOCUMENTATION :Available on data structure, data encoding format/procedure, and general information  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :8/29/83  
 PAPER FILE NUMBER :SD1

DOCUMENTATION :Available on software, data structure, data encoding format/procedure, data type, and general information  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :8/19/83  
 PAPER FILE NUMBER :SD3

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SD001-01  
 SD002-01

CODE :SD003-01

STATE :SD  
DATA BASE NAME :SD Natural Heritage Data Base  
SUBJECT COVERAGE :Natural diversity elements  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This data base is operated in cooperation with the  
Nature Conservancy  
AGENCY :SD Department of Game, Fish and Parks  
RESPONDENT :Dr. Wayne C. Houtcooper, Director  
SD Natural Heritage Program  
Department of Game, Fish and Parks  
Anderson Building, 445 East Capitol Street  
Pierre, SD 57501  
Telephone: 605-773-4226

COMPUTER FACILITIES

COMPUTER(S) :HP 2645A  
RESIDENCE :Private sector computer center  
OPERATION :Batch  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, line printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
wildlife (threatened, endangered, or unique), vegeta-  
tion (threatened, endangered, or unique), geological  
features, plant communities  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Public Land Survey  
MINIMUM RESOLUTION :To the second (latitude/longitude)  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, statistical summaries, printed copy  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
CONFIDENTIALITY :Records containing specific locational information on  
endangered species are subject to restricted access  
CLASSIFICATION :A variety of schemes

=====

DOCUMENTATION :General information is available  
USER FEES POLICY :Fees are charged for all products and services according  
to a fee schedule  
DATE OF INFORMATION :8/19/83  
PAPER FILE :SD9

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SD003-01

CODE :SD004-01

STATE :SD  
DATA BASE NAME :WRI Data System  
SUBJECT COVERAGE :Water well quality and soil chemical data  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :Water Resources Institute  
RESPONDENT :Al Bender  
Brookings Water Quality Laboratory  
Water Resources Institute  
SD State University  
Box 2120  
Brookings, SD 57007  
Telephone: 605-688-4910  
OTHER CONTACTS :John Bischoff, Research Engineer  
Telephone: 605-688-4211

#### COMPUTER FACILITIES

COMPUTER(S) :IBM S150  
HP 9825T  
IBM 370  
RESIDENCE :In-house, also use the University computer center  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :MS-DOS and Micro Ware FORTRAN  
SYSTEM CAPACITY :Main memory: 384 K  
Disc storage: floppy - about 350 K  
Simultaneous users supported: 1 presently  
LANGUAGE(S) :FORTRAN  
BASIC  
Assembler  
C (implementation planned)  
SPECIALIZED SOFTWARE :dBASE II  
SAS  
PERIPHERAL DEVICES :Monochrome graphics CRT, color graphics CRT,  
mechanical digitizer, line printer, dot matrix  
printer with graphics, small flatbed pen plotter,  
hard copy terminal

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water quality, water wells  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :2-5 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Maps - variable scale, tables  
DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Monthly  
COMMENTS :System is being upgraded to standardize all information to dBASE II datafiles structure - floppy disk  
Some data available in STORET

DATA CATEGORY NAME :Soils data -  
soil chemical data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, graphics  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Annually

DOCUMENTATION :Available on software  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :8/26/83  
PAPER FILE NUMBER :SD11

ORIGINAL PAGE IS  
OF POOR QUALITY

SD004-01

CODE :TN001-01

STATE :TN  
DATA BASE NAME :Water Use  
SUBJECT COVERAGE :Surface and ground water use  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :TN Department of Public Health  
RESPONDENT :Fred E. VanAtta  
Division of Water Management  
TN Department of Public Health  
TERRA Building, 150 Ninth Avenue, North  
Nashville, TN 37203  
Telephone: 615-741-6623  
OTHER CONTACTS :Garland P. Wiggins, Manager, Program Development

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
RESIDENCE :Department of Finance and Administration, Information  
Systems Services Division  
OPERATION :Batch

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
use, pumpage, problems, type source, locational infor-  
mation, amount withdrawn  
GEOGRAPHIC COVERAGE :Statewide, 13 major basins  
GEOGRAPHIC REFERENCE :County  
Basin  
MINIMUM RESOLUTION :County, river basin  
OUTPUT PRODUCTS :Statistical summaries, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Every 10 years  
CONFIDENTIALITY :If requested by user submitting data, data are subject  
to restricted access  
COMMENTS :Data are not routinely supplied to any federal agency,  
but are made available on request  
Currently includes 1970 data only, eventually will  
include data from 1980 survey also

DATA CATEGORY NAME :Surface water -  
pumpage, use  
GEOGRAPHIC COVERAGE :Statewide, 13 major basins  
GEOGRAPHIC REFERENCE :County  
Basin  
MINIMUM RESOLUTION :County, river basin  
OUTPUT PRODUCTS :Statistical summaries, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown

UPDATE FREQUENCY  
CONFIDENTIALITY

COMMENTS

:Every 10 years  
:If requested by user submitting data, data are  
subject to restricted access  
:Data are not routinely supplied to a federal agency,  
but will be made available if requested.  
Currently includes 1970 data only, eventually will  
include data from 1980 survey also

DOCUMENTATION :Information on data type are available  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :8/22/83  
PAPER FILE NUMBER :TN11

ORIGINAL PAGE IS  
OF POOR QUALITY

TN001-01

CODE :TN001-02

STATE :TN  
DATA BASE NAME :Water Well Inventory  
SUBJECT COVERAGE :Information on groundwater wells  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :TN Department of Public Health  
RESPONDENT :Fred E. VanAtta  
Division of Water Management  
TN Department of Public Health  
TERRA Building, 150 Ninth Avenue, North  
Nashville, TN 37203  
Telephone: 615-741-6623  
OTHER CONTACTS :Garland P. Wiggins, Manger, Program Development

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
RESIDENCE :Department of Finance and Administration, Information  
Systems Service Division  
OPERATION :Batch

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
quantity, quality, location (for located wells), well  
depth, aquifer depth, elevation, water level elev-  
ation, use, owner, water source, spring data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude (for located wells only)  
County  
MINIMUM RESOLUTION :Site specific (for located wells only), county  
OUTPUT PRODUCTS :Statistical summaries, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Continuous  
COMMENTS :Data are not routinely supplied to a federal agency,  
however are made available upon request

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DOCUMENTATION :Information on data type available  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :8/22/83  
PAPER FILE NUMBER :TN11

ORIGINAL PAGE 19  
OF POOR QUALITY

TN001-02

CODE :TN002-01

CODE :TN002-02

STATE :TN  
DATA BASE NAME :TN Natural Heritage Area File  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Repository initiated in 1975  
AGENCY :TN Department of Conservation  
RESPONDENT :Sam Pearsall, Program Administrator  
TN Natural Heritage Program  
TN Department of Conservation  
701 Broadway  
Nashville, TN 37203  
Telephone: 615-742-6553

COMPUTER FACILITIES

COMPUTER(S) :ANDAIL  
RESIDENCE :TN Department of Finance and Administration, Information Systems Services Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity areas -  
significant areas of natural diversity which are or  
ought to be protected, including wetlands, wilderness  
areas, etc.  
GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :1/6/83  
PAPER FILE NUMBER :TN2-1

STATE :TN  
DATA BASE NAME :TN Natural Heritage Database  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Tennessee and The Nature Conservancy, a national nonprofit conservation organization. The data base was initiated in 1975.  
AGENCY :TN Department of Conservation  
RESPONDENT :Sam Pearsall, Program Administrator  
TN Natural Heritage Program  
TN Department of Conservation  
701 Broadway  
Nashville, TN 37203  
Telephone: 615-742-6553  
OTHER CONTACTS :Don Eager, Dep. Coordinator/Zoologist  
Larry Smith, Plant Ecologist/Prot. Planner  
Paul Somers, Botanist  
Daryl Durham, Wildlife Ecologist  
Dave Shupe, Program Review Coordinator  
Anna Lovell, Database Manager  
Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :ANDAIL  
RESIDENCE :TN Department of Finance and Administration, Information Systems Services Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
all known current and historic locations for rare  
plants, rare animals, rich wildlife habitats, significant (typical or rare) plant communities; expansion  
to significant geologic, recreational and scenic areas  
in planning states  
GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/6/83  
PAPER FILE NUMBER :TN2-2

ORIGINAL PAGE 13  
OF POOR QUALITY

TN002-01  
TN002-02

CODE :TNO03-01

STATE :TN  
DATA BASE NAME :TVA Regional Heritage  
GEOGRAPHIC COVERAGE :Tennessee Valley Authority region  
STATUS :This program was undertaken as a cooperative effort between the TN Office of Natural Resources and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :TN Office of Natural Resources  
RESPONDENT :Bill Redmond, Coordinator  
TVA Regional Heritage  
TN Office of Natural Resources  
Norris, TN 37828  
Telephone: 615-494-9800  
OTHER CONTACTS :Ralph Jordan, Project Leader  
:Joe Collins, Botanist  
:Carolyn Bacon, Botanist  
:Ken McClellan, Zoologist  
:Penny Irwin, Data Handler  
:Elbeth McHallen, Computer Analyst  
:Shellie Garsau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :TN15

ORIGINAL PAGE NO.  
OF POOR QUALITY

TNO03-01

CODE :TX001-01

STATE :TX  
DATA BASE NAME :TX Natural Resources Information System  
DATA BASE ACRONYM :TNRIS  
SUBJECT COVERAGE :Base data, meteorological resources, biological resources, water resources, geologic and land resources, and socio-economic resources  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :TNRIS is (1) a linked network of user entities acquiring and maintaining natural resource data; (2) a "Systems Central" providing a point of contact for information on data availability, procurement, and analysis; and (3) a centralized facility to handle storage, retrieval, processing, analysis and, where appropriate, presentation of natural resource data and information.

The TNRIS Task Force makes policy decisions and is responsible for coordinating the operation of the System. The Task Force is made up of representatives from 14 State agencies, with ex officio participation from two others. The Systems Central staff is funded through the Texas Department of Water Resources.

Organizations participating in TNRIS include:

Voting Members:

Texas Department of Water Resources (TDWR)  
General Land Office (GLO)  
Texas Air Control Board (ACB)  
Texas Forest Service (TFS)  
Texas Industrial Commission (TIC)  
Texas Department of Health (TSDH)  
Bureau of Economic Geology, The University of Texas at Austin  
Railroad Commission of Texas (TRRC)  
Texas Department of Agriculture (TDA)  
State Department of Highways and Public Transportation  
Texas Parks and Wildlife Department (TPW)  
Texas State Soil and Water Conservation Board (TSWC)  
Texas Coastal and Marine Council  
Texas Historical Commission

Ex Officio Members:

Texas Department of Community Affairs  
Governor's Office

In addition to providing access to a wide variety of state-held data, TNRIS provides access to a number of automated natural resource data bases available from federal agencies and private entities, including the USGS National Water Data Exchange (NAWDEX), National Cartographic Information Center (NCIC), and Computerized Resources Information Bank (CRIB) for energy information, the U.S. Department of Ag-

riculture's Federal Assistance Programs Retrieval System (FAPRS), the U.S. Department of Interior's Computerized Water Resources Abstracts (WRA) file and National Water Storage and Retrieval (WATSTORE) System, the EROS Data Center's automated system for locating aerial photography and satellite imagery; the Lockheed Missiles and Space Company, Inc.'s DIALOG system, and several files of computerized abstracts available through the System Development Corporation's ORBIT system. Additionally, interface is maintained with data systems of the National Aeronautics and Space Administration (NASA), National Oceanic and Atmospheric Administration (NOAA), Environmental Protection Agency (EPA/STORET), the Census Bureau, and other entities.

For a description of TNRIS' remote sensing and geographic information analysis capabilities, refer to CODE: TX001-02, TX Natural Resources Inventory & Monitoring System

AGENCY :TX Department of Water Resources  
RESPONDENT :Sam McCulloch  
TX Natural Resources Information System  
Systems Central  
P.O. Box 13087  
Austin, TX 78711  
Telephone: 512-475-3321  
OTHER CONTACTS :John Wilson  
Charles Palmer

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/62  
INTERDATA 7/32  
RESIDENCE :TX Department of Water Resources  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :TNRINS  
SYMAP  
SYHVV  
CPS-1  
CALFORM  
DISPPLA  
CENSPAC  
NATH-PACK  
STAT-PACK  
BIONED  
FNPS  
TNRIS Monitor  
TNRIS Request Accounting System  
PERIPHERAL DEVICES :Calcomp 748 flatbed plotter, Calcomp 563 drum plotter,

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TX001-01



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color display, various line printers/terminals, Digi  
Grid DG-10C digitizer, Tektronix 4014 graphics editor

# DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data -  
digitized water well locations, digitized county  
boundaries, Landsat remote sensing data, 10-minute  
grid coordinate table, community profile-geographic  
location, county profile-geographic location, state  
water district master

GEOGRAPHIC COVERAGE :Statewide

DATA CATEGORY NAME :Meteorological resources -  
climatological: daily precipitation, monthly precipi-  
tation, daily minimum temperature, monthly minimum  
temperature, daily maximum temperature, monthly maximum  
temperature, daily wind movement, monthly wind movement,  
daily pan evaporation, daily 2-ft. pan evaporation,  
daily 4-ft. pan evaporation, daily 6-ft. pan evaporation,  
monthly pan evaporation, monthly 2-ft. pan evaporation,  
monthly 4-ft. pan evaporation, monthly 6-ft. pan eva-  
tion, daily climatological master file, monthly climatic  
index, hourly coastal climatological file, hourly precip-  
itation, hourly climatological file, gross lake surface  
evaporation, net lake surface evaporation, TFS fire wea-  
ther reports, weather data index, hourly climatological  
data, community profile-climatological data, county pro-  
file-climatological data

air quality: air pollution data, average particulate  
and gaseous pollutants #1, average particulate and  
gaseous pollutants #2, continuous air pollution moni-  
toring network

man's activities: Compliance Division mailing list,  
Office of Executive Director mailing list, Technical  
Support/Sampling Division mailing list, 1971-72 sum-  
mary of emission sources, air pollution question-  
naires mailing list, compliance with air pollution  
laws data, source surveillance investigator's reports

GEOGRAPHIC COVERAGE :Statewide

DATA CATEGORY NAME :Biological resources -  
animal: coastal zone biological information, gulf  
coast shrimp catch data, Texas fish landing data,  
mourning dove harvest survey mod. QB, Texas fish  
landings (commercial), deer movement fix file, bird  
banding recovery file, Lake Meridian fish trap data,  
deer-turkey harvest survey, fish distribution (stock-

ing), county estimates for 62 crop and livestock  
items, TFS southern pine beetle operations;

plant: county estimates of crops and livestock, TFS  
wildfire reports

micro-organisms: coastal zone biological information,  
bacterial water quality (rivers, lakes, streams),  
coastal water data

man's activities: TFS woodland management activities,  
TFS wildfire reports, mourning dove harvest survey  
mod. QB, Texas fish landings (commercial), deer-turkey  
harvest survey, fish distribution (stocking), species  
code names, gulf coast shrimp catch data, Texas fish  
landing data, TFS southern pine beetle operations,  
county profile-farm products

:Statewide

GEOGRAPHIC COVERAGE

DATA CATEGORY NAME

:Water resources -  
surface: daily USGS streamflow, monthly USGS stream-  
flow, daily sediment load, monthly sediment load,  
coastal zone hydrographical information, daily USGS  
surface water temperature, daily USGS surface water  
conductance, surface water runoff

subsurface: water-level measurements, groundwater  
quality

man's activities: water use by hydrographic unit,  
daily USGS reservoir contents, monthly USGS reservoir  
contents, municipal return flow, industrial return  
flow, self reporting waste discharge data, waste con-  
trol order data, municipal and industrial water use,  
permit master file, permit address file, water use  
file, sewage treatment plant inventory, waste or  
wastewater operator data, community profile-water  
utilities information

:Statewide

GEOGRAPHIC COVERAGE

DATA CATEGORY NAME

:Geologic and land resources -  
surface: soil summary file, Corpus Christi area  
resource capability units, fracture mapping, open pits  
in Texas

subsurface: annual oil production, annual natural gas  
production, cumulative oil & gas totals, corelabs  
salinity file, oil master, gas master

man's activities: land classification master file,

TX001-01  
(cont.)

submerged lease data file, rental master file, school land master file, veteran's land master file, veteran's land statistical file, unsold school land file, secondary recovery-master, secondary recovery-lease file, secondary recovery-fluids, secondary recovery-injection, secondary recovery-year file, liquid spillage, annual water injection, community profile-zoning ordinances, county profile-agricultural land use

GEOGRAPHIC COVERAGE :Statewide

DATA CATEGORY NAME :Socio-economic resources - social: 1970 U.S. Census, OBERS county population and land area, automatic traffic recorder data, speed survey, origin-destination survey, traffic log, boat registration master, public hunts-drawn master, community profile-population and education, county profile-population

economic: earnings and income, Dun and Bradstreet, OBERS water resources regions, OBERS economic areas, bridge log, structure inventory and appraisal, road life data, road way characteristics-state system, road way characteristics-county system, rail-highway grade crossings, community profile-business statistics, county profile-personal income and earnings

commerce: truck weight data, community profile-business statistics, county profile-business statistics

government: community profile-city government information, county profile-county government information, state water district information

GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :General publications include: "TNRIS Conceptual Design (1974)", "Progress Report on the Establishment of a Natural Resources Information System for the State of Texas (February 1973)", "TNRIS Overview", "TNRIS Newsletter" (published quarterly), "TNRIS Progress Report" (published quarterly), "TNRIS File Description Report" (Pub # 002), "Remote Sensing of Flood Hazards in Central Texas" (Pub # 003), "TNRIS Monitor User Reference Manual" (Pub # 007), "TNRIS Education Program User Reference Manual" (Pub # 008), "Selected Applications of Computer Graphics to Natural Resources Planning and Management in Texas State Government" (Pub # 013), and "Landsat in

Texas State Agencies" (Pub # 014); several Capabilities Brochures and Support Activities Reports are also available

USER FEES POLICY :Fees charged for products and services according to a fee schedule (varies for members vs. non-members)

DATE OF INFORMATION :8/1/83

PAPER FILE NUMBER :TX1

ORIGINAL PAGE IS  
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CODE :TX001-02

STATE :TX  
DATA BASE NAME :TX Natural Resources Inventory & Monitoring System  
DATA BASE ACRONYM :TNRIMS  
SUBJECT COVERAGE :Remote sensing/geographic information analysis capability  
STATUS :TNRIMS was developed jointly by the Texas Natural Resources Information System (refer to CODE: TX001-01) and NASA. The main goal was to establish a set of capabilities for remote sensing and geographic information analysis. TNRIMS provides a flexible, integrated, easy-to-use system that can aid in resource inventory and monitoring applications.

TNRIMS consists of three components: the Remote Sensing Information Subsystem (RSIS), the Geographic Information Subsystem (GIS), and the Natural Resources Analytical Subsystem (NRAS). A description of each of these subsystems follows.

RSIS allows users of TNRIMS to process and analyze digital remote sensing data. The set of software comprising RSIS came from various sources: a major portion was written specifically for RSIS by NASA, some programs were converted to RSIS from other systems, and the rest of the software was developed by TNRIMS staff. Major components of RSIS include the Detection and Mapping Package (DAM), LARSYS, ELITAB, and Interactive Graphics Subsystem (IGS).

The GIS was designed to be a spatial data base incorporating a unified set of techniques for dealing with all types of geographic information. The GIS stores map data in a vector structure which can recognize points, lines, and areas (polygons). Data can also be automatically converted from files produced from other spatial data systems, such as the Census Bureau's DIME (Dual Independent Map Encoding) files and the U.S. Geological Survey's GIRAS (Geographic Information Retrieval and Analysis System) files. Latitude/longitude point data from external descriptive data bases can also be entered automatically into the GIS.

Procedures and software for analyzing digital geographic data are contained in the Natural Resources Analytical Subsystem. The NRAS and GIS components of TNRIMS are very closely related; in fact, in most existing geographic information systems the analytical functions are considered as internal parts. In TNRIMS, the GIS is responsible for transferring geographic data between human and computer environments, and the NRAS provides the capability for the user to analyze the data while it is in the computer.

AGENCY :TX Department of Water Resources  
RESPONDENT :Sam McCulloch  
TX Natural Resources Information System  
Systems Central  
P.O. Box 13087  
Austin, TX 78711  
Telephone: 512-475-3321  
OTHER CONTACTS :John Wilson  
Charles Palmer

#### COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/62  
INTERDATA 7/32  
RESIDENCE :TX Department of Water Resources  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :DAM Package  
LARSYS  
ELITAB  
IGS  
PERIPHERAL DEVICES :Calcomp 74B flatbed plotter, Calcomp 563 drum plotter, color display, various line printers/terminals, Digi Grid DG-10C digitizer, Tektronix 4014 graphics editor

DOCUMENTATION : "Texas Natural Resources Inventory & Monitoring System,"  
Project Review Conference Proceedings, May 5-6, 1983  
DATE OF INFORMATION :5/6/83  
PAPER FILE NUMBER :TX2

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :UT001-01

STATE :UT  
DATA BASE NAME :Automated Geographic Reference  
DATA BASE ACRONYM :AGR  
SUBJECT COVERAGE :Geographically referenced data - energy, recreation,  
topography, boundaries, wildlife, vegetation, streams,  
wilderness, demography  
GEOGRAPHIC COVERAGE :Statewide (individual projects vary in size)  
STATUS :Information is gathered by project; in the following  
descriptions, the projects are identified in quotation  
marks. Included are projects with data base completed;  
there are several other projects in progress and in  
planning  
AGENCY :UT Department of Natural Resources and Energy  
RESPONDENT :Riki Darling, Manager  
Automated Geographic Reference  
UT Department of Natural Resources and Energy  
1636 West North Temple  
Salt Lake City, UT 84116  
Telephone: 801-533-7495  
OTHER CONTACTS :Bruce Plott, Central AGR  
Telephone: 801-533-5381

COMPUTER FACILITIES

COMPUTER(S) :AMDAIL V8  
RESIDENCE :State data coordinating center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -  
"Alton Coal Fields -  
administrative ownership, coal resources, cultural  
physical: faults, surface hydrology, landforms,  
topography, geology, land use, vegetation, soils  
Primary agency involved: OGM  
(see also "Wilderness")

DATA CATEGORY NAME :Recreation -  
"Antelope Island State Park" -  
campsite suitability, topography, roads,  
water (fresh/salt)  
Primary agency involved: Parks and Recreation  
(see also "Boundaries")

DATA CATEGORY NAME :Streams -  
"Blacksmith Fork Stream Profile - Stream Bed Elevations  
Primary agency involved: Wildlife Resources

DATA CATEGORY NAME :Wildlife -  
"Utah: Biological lifezones"  
Primary agency involved: Wildlife Resources  
(see also "Topography" and "Vegetation")

DATA CATEGORY NAME :Topography -  
"Aspen Mountain Wildlife Study Area - viewshed  
analysis"  
"Indianola Wildlife Study Area - viewshed analysis"  
"Interlaken Wildlife Study Area - viewshed analysis"  
"Pinchollow Wildlife Study Area - viewshed analysis"  
"Rockport Wildlife Study Area - viewshed analysis"  
"Sweetwater Deer Study Area - viewshed analysis"  
Primary agency involved: Wildlife Resources

DATA CATEGORY NAME :Vegetation -  
"Monticello SW quad (USGS) - Big Game Summer Range"  
Primary agency involved: Wildlife Resources

DATA CATEGORY NAME :Boundaries -  
"Salt Lake County - Census Tracts"  
Primary agency involved: Central AGR  
"Utah: County Boundaries with county populations"  
Primary agency involved: DNR&E-AGR  
"Utah: State Planning Districts  
Parks and Recreation Planning Regions"  
Primary agency involved: DNR&E-AGR

DATA CATEGORY NAME :Demography -  
"Utah: County Boundaries with County Populations"  
Primary agency involved: DNR&E-AGR

DATA CATEGORY NAME :Wilderness -  
"Utah: BLM Wilderness Study Areas - 1:1,000,000 scale"  
size (acres), naturalness, solitude, primitive rec-  
reation opportunities, special features, distance  
from population centers, energy and mineral  
resources  
Primary agencies involved: BLM, DNR&E-AGR

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UT001-01

DATA CATEGORY NAME :Geology -  
"CRIB (Computerized Resource Information Bank)"  
interface - USGS Utah mines locations  
Primary agencies involved: UCMS, OCM, DNR&E-AGR  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :Continuous  
COMMENTS :Other contact for UCMS:  
Martha Smith, Mineral Resource Specialist  
UT Geological and Mineral Survey  
Telephone: 801-581-6831

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DOCUMENTATION : "AGR Projects" (as of January 20, 1983)  
DATE OF INFORMATION : 5/23/83  
PAPER FILE NUMBER : UT7 and UT2

ORIGINAL PAGE IS  
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CODE :VA001-01

CODE :VA002-01

STATE :VA  
 DATA BASE NAME :Alosid File  
 DATA BASE ACRONYM :Not available  
 SUBJECT COVERAGE :Population dynamics of adult and juvenile anadromous fishes in Virginia waters  
 GEOGRAPHIC COVERAGE :Chesapeake Bay Tributaries  
 STATUS :Operational - continuing  
 AGENCY :VA Institute of Marine Science  
 RESPONDENT :Bill Kriete, Fisheries Specialist  
 Fisheries Science and Service Division  
 VA Institute of Marine Science  
 Gloucester Point, VA 23062  
 Telephone: 804-642-2111  
 OTHER CONTACTS :Joe Loesch  
 Dr. Frank O. Perkins, Dean/Director  
 Dr. David Evans, Senior Mar. Su.

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850  
 RESIDENCE :VIMS Computer Center

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line following digitizer, line printer, hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fish -  
 length, weight, species, sex, age, gonad condition,  
 spawning history, hydrographic data  
 GEOGRAPHIC COVERAGE :Chesapeake Bay Tributaries  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 MINIMUM RESOLUTION :Watershed or river basin, site specific  
 DATA STORAGE FORMAT :Coordinate point, tabular  
 OUTPUT PRODUCTS :Reports, tables, statistical summaries, graphics  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High for 1976 - present  
 UPDATE FREQUENCY :Annually, weekly juvenile survey  
 CONFIDENTIALITY :Commercial log book data are confidential  
 COMMENTS :Time span of data: 1967 to present

DOCUMENTATION :General information is available  
 USER FEES POLICY :Fees are charged on a cost recovery basis  
 DATE OF INFORMATION :9/26/83  
 PAPER FILE NUMBER :VA9

STATE :VA  
 DATA BASE NAME :Benthic Surveys  
 SUBJECT COVERAGE :Benthic community structure  
 GEOGRAPHIC COVERAGE :Chesapeake Bay (several points); most comprehensive data file is from VIMS pier in approximately 30 feet of water in mud habitat  
 AGENCY :VA Institute of Marine Science  
 RESPONDENT :Bob Diaz, Senior Marine Scientist  
 Biological Oceanography Division  
 VA Institute of Marine Science  
 Gloucester Point, VA 23062  
 Telephone: 804-642-2111  
 OTHER CONTACTS :David Evans, Department Head

COMPUTER FACILITIES

COMPUTER(S) :PRIME 750  
 RESIDENCE :In-house, VIMS Data Processing  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (50), mechanical digitizer, tablet-free digitizers (2), line printer, dot matrix printer with graphics, small flatbed pen plotter, drum pen plotter, large or precision flatbed pen plotter, hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Marine-estuarial -  
 benthic community structure, species abundance, sediment size  
 GEOGRAPHIC COVERAGE :Chesapeake Bay (several points)  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 VIMS pier  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Reports, tables, graphics  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Quarterly/weekly  
 COMMENTS :Time span of data: 1961 to present;  
 Data are supplied to STORET

DOCUMENTATION :General information is available  
 USER FEES POLICY :No policy established  
 DATE OF INFORMATION :7/1/82  
 PAPER FILE NUMBER :VA10

ORIGINAL PAGE IS  
OF POOR QUALITYVA001-01  
VA002-01

CODE :VA003-01

CODE :VA003-02

STATE :VA  
 DATA BASE NAME :Chemical Data  
 DATA BASE ACRONYM :WCBRG 100  
                   WCBRG 112  
                   WCBRG 150  
                   WCBRG 110  
                   WCBRG 115  
                   WCBRG 160  
 SUBJECT COVERAGE :Chemical analyses of groundwater  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :VA State Water Control Board  
 RESPONDENT :Terry D. Wagner  
             VA State Water Control Board  
             2111 North Hamilton Street  
             P.O. Box 11143  
             Richmond, VA 23230  
             Telephone: 804-257-0386  
 OTHER CONTACTS :P. J. Smith  
                   Telephone: 804-257-0387  
                   Dot Bridgers  
                   Telephone: 804-257-0071

#### COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

#### IN-HOUSE FACILITIES

LANGUAGE(S) :COBOL  
                   SAS

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
                           chemical analyses, quality  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
                           State Plane Coordinate System  
                           County  
                           Well serial number  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Computer printout  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Monthly  
 COMMENTS :Time span of data: 1970 to present  
                   Data is supplied to STORET

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DOCUMENTATION :Ground Water System, Chem Data Sub-System User's Manual  
                   (May 1982)  
 USER FEES POLICY :0.005 cents/line of printed output  
 DATE OF INFORMATION :10/11/83  
 PAPER FILE NUMBER :VA11

STATE :VA  
 DATA BASE NAME :Observation Well Levels  
 DATA BASE ACRONYM :WCBRG 700  
                   WCBRG 710  
 SUBJECT COVERAGE :Groundwater levels  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :VA State Water Control Board  
 RESPONDENT :Terry D. Wagner  
             VA State Water Control Board  
             2111 North Hamilton Street  
             P.O. Box 11143  
             Richmond, VA 23230  
             Telephone: 804-257-0386  
 OTHER CONTACTS :P. J. Smith  
                   Telephone: 804-257-0387  
                   Dot Bridgers  
                   Telephone: 804-257-0071

#### COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

#### IN-HOUSE FACILITIES

LANGUAGE(S) :SAS

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
                           groundwater levels  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
                           State Plane Coordinate System  
                           Observation well number  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Computer printout  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Monthly  
 COMMENTS :Time span of data: 1965 to present  
                   Data is supplied to STORET

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DOCUMENTATION :In preparation June 1982  
 USER FEES POLICY :0.005 cents/line of printed output  
 DATE OF INFORMATION :10/11/83  
 PAPER FILE NUMBER :VA11

ORIGINAL PAGE IS  
 OF POOR QUALITY

VA003-01  
 VA003-02

CODE :VA003-03

STATE :VA  
 DATA BASE NAME :Pumpage and Use  
 SUBJECT COVERAGE :Quantity of water pumped from specified water producing zones  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Operational for output of data entered pre-July 1981;  
 new input format being developed  
 AGENCY :VA State Water Control Board  
 RESPONDENT :Terry D. Wagner  
 VA State Water Control Board  
 2111 North Hamilton Street  
 P.O. Box 11143  
 Richmond, VA 23230  
 Telephone: 804-257-0386  
 OTHER CONTACTS :P. J. Smith  
 Telephone: 804-257-0387  
 Dot Bridgers  
 Telephone: 804-257-0071

COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

IN-HOUSE FACILITIES

LANGUAGE(S) :COBOL

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
 groundwater use, pumpage data  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 State Plane Coordinates  
 County  
 Serial number  
 Owner number  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Computer printout  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Quarterly  
 COMMENTS :Time span of data: 1973 to present

=====

DOCUMENTATION :In preparation  
 USER FEES POLICY :0.005 cents/line of printed output; any charge less  
 than \$5.00 is not billed  
 DATE OF INFORMATION :10/11/83  
 PAPER FILE NUMBER :VA11

STATE :VA  
 DATA BASE NAME :Water Data Water Well Completion Report Sub-system  
 DATA BASE ACRONYM :Water Data WNCR Sub-system  
 WCBRG 300  
 WCBRG 310  
 WCBRG 320  
 WCBRG 321  
 WCBRG 322  
 WCBRG 323  
 WCBRG 330

SUBJECT COVERAGE :Information on well construction such as driller, logs  
 available, depth, water zones, construction materials,  
 etc.

GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :VA State Water Control Board  
 RESPONDENT :Terry D. Wagner  
 VA State Water Control Board  
 2111 North Hamilton Street  
 P.O. Box 11143  
 Richmond, VA 23230  
 Telephone: 804-257-0386  
 OTHER CONTACTS :P. J. Smith  
 Telephone: 804-257-0387  
 Dot Bridgers  
 Telephone: 804-257-0071

COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

IN-HOUSE FACILITIESLANGUAGE(S) :COBOL  
 CYL-260/280  
 SASDESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -  
 well data, well depth, water zone, lithology, forma-  
 tion  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 State Plane Coordinates  
 County  
 Well serial number  
 MINIMUM RESOLUTION :Site specific  
 OUTPUT PRODUCTS :Printout - various formats  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Monthly  
 COMMENTS :Time span of data: 1946 to present

Data is supplied to STORFT

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DOCUMENTATION :WNCR Sub-System User's Manual (January 1982)  
 USER FEES POLICY :0.005 cents/line of printed output; any charge less  
 than \$5.00 is not billed  
 DATE OF INFORMATION :10/11/83  
 PAPER FILE NUMBER :VA11

ORIGINAL PAGE 15  
 OF POOR QUALITY



CODE :VA004-01

STATE :VA  
DATA BASE NAME :Current Meter Data  
SUBJECT COVERAGE :Current meter data from meters placed in the Chesapeake Bay and tributaries  
GEOGRAPHIC COVERAGE :Tributaries and lower Chesapeake Bay (primarily tributaries now but expected future shift in emphasis to lower Bay); data from approximately 36 current meters  
STATUS :Standardized retrieval program currently under development  
AGENCY :VA Institute of Marine Science  
RESPONDENT :Chris Welch  
Physical Science and Ocean Engineering Division  
VA Institute of Marine Science  
Gloucester Point, VA 23062  
Telephone: 804-642-2111, Ext. 144  
OTHER CONTACTS :John Kuzocki  
Telephone: 804-642-2111, Ext. 143  
:Robert Lukens  
Telephone: 804-642-2111, Ext. 182

COMPUTER FACILITIES

RESIDENCE :In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
current speed, direction, depth, time  
GEOGRAPHIC COVERAGE :Tributaries and lower Chesapeake Bay  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific  
OUTPUT PRODUCTS :Reports  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuous (approximately monthly)  
COMMENTS :Time span of data: 1971 to present

DATA CATEGORY NAME :Climate/weather -  
winds, tides  
GEOGRAPHIC COVERAGE :Tributaries and lower Chesapeake Bay  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific  
OUTPUT PRODUCTS :Reports  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuous (approximately monthly)  
COMMENTS :Time span of data: 1971 to present

DATE OF INFORMATION :7/1/82  
PAPER FILE NUMBER :VA12

ORIGINAL PAGE IS  
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VA004-01

CODE :VA005-01

STATE :VA  
DATA BASE NAME :Hydrologic Information Storage and Retrieval System  
DATA BASE ACRONYM :HISARS  
SUBJECT COVERAGE :Surface water flow and climatic data  
GEOGRAPHIC COVERAGE :Virginia plus portions of surrounding states  
STATUS :Operational  
AGENCY :VA Water Resources Research Center  
RESPONDENT :T. W. Johnson, Assistant to the Director  
VA Water Resources Research Center  
Virginia Polytechnic Institute and State University  
617 North Main Street  
Blacksburg, VA 24060  
Telephone: 703-961-5624

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
RESIDENCE :Virginia Tech Computer Center  
OPERATION :Batch  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminals (2), alphanumeric CRT's (4)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -  
rainfall, temperature, evapotranspiration,  
snowfall/snow depth  
GEOGRAPHIC COVERAGE :Statewide and portions of surrounding states  
GEOGRAPHIC REFERENCE :Specially designed location block, based on  
latitude/longitude  
MINIMUM RESOLUTION :County, PDC (planning district), river basin or  
sub-basin, and other  
OUTPUT PRODUCTS :Tables, statistical summaries, computer tape  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :Annually  
COMMENTS :Time span of data: 1948 to 12/81  
Data collected by National Weather Service

DATA CATEGORY NAME :Surface water -  
streamflow, discharge/volume/stage, watershed  
boundaries  
GEOGRAPHIC COVERAGE :Statewide and portions of surrounding states  
GEOGRAPHIC REFERENCE :Specially designed location block, based on  
latitude/longitude  
MINIMUM RESOLUTION :County, PDC (planning districts), river basin or  
sub-basin, and other

OUTPUT PRODUCTS  
DATA SOURCES  
UPDATE FREQUENCY  
COMMENTS

:Tables, computer tape  
:Secondary  
:Annually  
:Time span of data: from origin of gage to 9/80  
Data is collected by USGS (NAVD83)

DOCUMENTATION :HISARS Users' Guide - available from the Water Center  
for \$10.00  
USER FEES POLICY :For users who access the Virginia Tech computer, no  
charge except computer time; others who use Water Center  
Service, \$25.00  
DATE OF INFORMATION :9/26/83  
PAPER FILE NUMBER :VA13

ORIGINAL PAGE 10  
OF POOR QUALITY

VA005-01

CODE :VA006-01

STATE :VA  
DATA BASE NAME :Nonpoint Source (Runoff) Data  
DATA BASE ACRONYM :NPS Data  
SUBJECT COVERAGE :Water flow, rainfall and water quality (nutrients, suspended solids, etc.)  
GEOGRAPHIC COVERAGE :Coastal plains of Virginia  
AGENCY :VA Institute of Marine Science (VIMS)  
RESPONDENT :Dr. Bruce J Neilson  
VA Institute of Marine Science  
Department of Estuarine Processes  
Gloucester Point, VA 23062  
Telephone: 804-642-6131, Ext. 244  
OTHER CONTACTS :Gary F. Anderson  
Telephone: 804-642-6131, Ext. 246

COMPUTER FACILITIES

RESIDENCE :In-house; College of William and Mary

IN-HOUSE FACILITIES

LANGUAGE(S) :SAS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water quality, non-point pollution, water flow, rainfall, runoff  
GEOGRAPHIC COVERAGE :Coastal plains of Virginia  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Data for specific catchments, primarily in the Hampton Roads area  
OUTPUT PRODUCTS :Reports  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuous  
COMMENTS :Time span of data: 1976 to present

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USER FEES POLICY :Depends on data requested; reports free if available,  
5 cents/page if need to make a copy  
DATE OF INFORMATION :7/1/82  
PAPER FILE NUMBER :VA14

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :VA007-01

STATE :VA  
DATA BASE NAME :Oyster Spatfall Data  
SUBJECT COVERAGE :Oyster setting in Virginia waters  
GEOGRAPHIC COVERAGE :172 standard stations in Chesapeake Bay and tributaries  
AGENCY :VA Institute of Marine Science  
RESPONDENT :Dexter Haven  
Fisheries Science and Services Division  
VA Institute of Marine Science  
Gloucester Point, VA 23062  
Telephone: 804-642-2111, Ext. 185  
OTHER CONTACTS :James Whitcomb  
Telephone: 804-642-2111, Ext. 185  
:Dr. David A. Evans, Senior Marine Scientist  
Telephone: 804-642-2111, Ext. 107

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 450  
RESIDENCE :VIMS Computer Center  
GIS CAPABILITY :Image processing I2S Model 75

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMS  
SYSTEM CAPACITY :4 MB Core, 32 KB Virtual  
LANGUAGE(S) :FORTRAN  
F77  
PASCAL  
PL/I  
COBOL  
Assembler  
RPG  
SPECIALIZED SOFTWARE :INSL  
SPSS  
SURFACE II  
SIR  
PERIPHERAL DEVICES :22-inch HI pen plotter, 36-inch VERSATEC, IIS Model  
75 image processor

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Shellfish -  
oyster spatfall setting, number barnacles and bryozoa  
counted on shells, water temperature and oxygen concen-  
tration, dates, location  
GEOGRAPHIC COVERAGE :Chesapeake Bay and tributaries (172 standard stations)  
GEOGRAPHIC REFERENCE :River name  
Station name  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Formatted reports, graphics

DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Update 100% reliable for monitoring setting potential  
UPDATE FREQUENCY :Data collected weekly, mid-June through mid-October  
COMMENTS :Time span of data: spotty data, 1947-1952; no data,  
1952-1963; solid data, 1963-1981

\*\*\*\*\*  
DOCUMENTATION :UPDATE booklet available  
USER FEES POLICY :Contact VIMS Computer Center  
DATE OF INFORMATION :10/14/83  
PAPER FILE NUMBER :VA15

ORIGINAL PAGE 13  
OF POOR QUALITY

VA007-01

CODE :VA008-01

CODE :VA009-01

STATE :VA  
 DATA BASE NAME :Small Fish Survey  
 SUBJECT COVERAGE :Survey of "Young of the Year" fish in Virginia waters  
 GEOGRAPHIC COVERAGE :Chesapeake Bay and tributaries (Chesapeake Bay watershed)  
 AGENCY :VA Institute of Marine Science  
 RESPONDENT :Frank Wojcik, Asst. Marine Scientist  
 Fisheries Science and Services Division  
 VA Institute of Marine Science  
 Gloucester Point, VA 23062  
 Telephone: 804-642-2111, Ext. 277  
 OTHER CONTACTS :Dr. David Evans, Senior Marine Scientist  
 Telephone: 804-642-2111, Ext. 107  
 Ginny Shaw, Computer Systems Engineer  
 Telephone: 804-642-2111, Ext. 214

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850  
 RESIDENCE :VIMS Computer Center  
 OPERATION :Interactive  
 GTS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics), large or precision  
 flatbed pen plotter, hard copy terminals (30)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fish -  
 trawl survey data, number taken by species, weight,  
 species, length for species, hydrographic data -  
 surface and bottom temperature, salinity, and dis-  
 solved oxygen  
 GEOGRAPHIC COVERAGE :Chesapeake Bay Watershed  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 River mile  
 MINIMUM RESOLUTION :River mile for James, York, Rapp. and Pot. Rivers  
 OUTPUT PRODUCTS :Reports, computer tape  
 DATA SOURCES :Primary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Monthly  
 CONFIDENTIALITY :Data not available till reviewed and checked  
 COMMENTS :Time span of data: 1955 to present  
 This data base will soon be a S.U.R. file

DOCUMENTATION :General information is available  
 USER FEES POLICY :Fees are charged on a cost recovery basis  
 DATE OF INFORMATION :9/26/83  
 PAPER FILE NUMBER :VA 16

STATE :VA  
 DATA BASE NAME :Survey and Landings Data Operation  
 DATA BASE ACRONYM :SALDO  
 SUBJECT COVERAGE :Juvenile blue crab survey data, commercial blue crab  
 landings, commercial crabber's daily-weekly catch logs,  
 American lobster catch and tagging data  
 GEOGRAPHIC COVERAGE :Chesapeake Bay and adjacent continental shelf and slope  
 AGENCY :VA Institute of Marine Science  
 RESPONDENT :W. A. Van Engel  
 VIMS Crustaceology  
 Jefferson Hall  
 VA Institute of Marine Science  
 Gloucester Point, VA 23062  
 OTHER CONTACTS :R. E. Harris, Jr.

COMPUTER FACILITIES

COMPUTER(S) :PRIME 750  
 RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
 PASCAL  
 SPECIALIZED SOFTWARE :SPSS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Shellfish -  
 blue crab survey data, blue crab landings, commercial  
 catch logs, lobster catch logs, lobster catch, tagging  
 data  
 GEOGRAPHIC COVERAGE :Chesapeake Bay and adjacent continental shelf and  
 slope  
 OUTPUT PRODUCTS :Computer tape, printouts  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Monthly  
 CONFIDENTIALITY :Only parts are available  
 COMMENTS :American lobster data has been used in a completed  
 contract with NMFS. Blue crab landings and survey  
 data are currently being used in a study of "The  
 Relationship Between the Chesapeake Bay Blue Crab  
 and its Climatological Environment"

DATE OF INFORMATION :7/1/82  
 PAPER FILE NUMBER :VA17

ORIGINAL PAGE IS  
OF POOR QUALITYVA008-01  
VA009-01

CODE :VA010-01

Gayk, VA Highway and Transportation Research Council  
February 1982

USER FEES POLICY :No policy established  
DATE OF INFORMATION :10/3/83  
PAPER FILE NUMBER :VA18

STATE :VA  
DATA BASE NAME :Landmarks Research Data  
SUBJECT COVERAGE :Historic landmarks  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Under development  
AGENCY :VA Department of Highways & Transportation  
RESPONDENT :Dan Gayk, Sr. Programmer/Analyst  
VA Department of Highways & Transportation  
Information Systems Division, Room 205  
1221 East Broad Street  
Richmond, VA 23219  
Telephone: 804-786-4463

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :Central government computer center  
OPERATION :Batch  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (11), line printer (character graphics), large or precision flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural areas -  
historic landmarks, archaeological areas, other significant cultural areas, registration status  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
Geodetic  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Polygon, coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, computer  
maps, computer printout  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous, last update: May 1983  
CONFIDENTIALITY :Official record of landmarks by VA Historical  
Landmark Commission are restricted

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DOCUMENTATION : "The Feasibility of Using Computer Graphics in Environmental Evaluations" by Daniel D. McGeehan and Daniel P.

ORIGINAL PAGE 18  
OF POOR QUALITY

CODE :VA011-01

USER FEES POLICY :\$125/machine unit hour (varies with amount of data requested)  
DATE OF INFORMATION :10/12/83  
PAPER FILE NUMBER :VA19

STATE :VA  
DATA BASE NAME :VINS Hydrographic Data Bank  
DATA BASE ACRONYM :VHDB  
SUBJECT COVERAGE :Hydrographic data and slack water runs  
GEOGRAPHIC COVERAGE :Chesapeake Bay, its tributaries and some Atlantic Ocean shelf  
STATUS :Operational; under revision  
AGENCY :VA Institute of Marine Science  
RESPONDENT :Ginny Shaw, Computer Systems Engineer  
VA Institute of Marine Science  
Gloucester Point, VA 23062  
Telephone: 804-642-2111, Ext. 214  
OTHER CONTACTS :Dr. David Evans, Senior Marine Scientist  
Telephone: 804-642-2111, Ext. 107

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850  
RESIDENCE :VINS Computer Center  
OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS  
SYSTEM CAPACITY :Main memory: 4 MB  
Disk storage: 980 MB  
LANGUAGE(S) :PRIME/POWER  
PL/I  
PERIPHERAL DEVICES :Plotters, graphics terminals

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -  
temperature, salinity, dissolved oxygen, organics,  
nutrients, algae, suspended solids, conductivity  
GEOGRAPHIC COVERAGE :Chesapeake Bay, its tributaries and some Atlantic  
Ocean shelf  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Station within river  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Computer tape, printout  
DATA SOURCES :Primary and secondary  
UPDATE FREQUENCY :Monthly  
COMMENTS :Time span of data: 1942-1981

=====

DOCUMENTATION :Under revision

ORIGINAL PAGE IS  
OF POOR QUALITY

VA011-01

CODE :VA012-01

STATE :VA  
DATA BASE NAME :VA Outdoor Plan Information System  
DATA BASE ACRONYM :VOPIS  
SUBJECT COVERAGE :Outdoor recreation site/facility information  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The Parks Division is hoping to obtain in-house capabilities in the near future. They plan to increase the scope of their inventorying process at that time.  
AGENCY :VA Division of Parks and Recreation  
RESPONDENT :John Davy, Assistant Director, Planning  
VA Division of Parks and Recreation  
Department of Conservation and Economic Development  
1201 Washington Building, Capitol Square  
Richmond, VA 23219  
Telephone: 804-225-3011  
OTHER CONTACTS :Robert Munson  
Telephone: 804-225-3012

COMPUTER FACILITIES

COMPUTER(S) :ANDAIL  
RESIDENCE :VA Commonwealth University/VA Community College  
System (VCU/VCCS) Consolidated Computer Facility  
OPERATION :Batch  
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -  
public areas, quasi-public areas, private areas,  
site acres, hunting acres, size or area and type  
of facilities  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Locality  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Computer printout  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Varies by Planning District  
UPDATE FREQUENCY :Continuous, varies  
COMMENTS :Time span of data: First collected in 1972; three  
updates have been completed since then; update currently in progress

=====

USER FEES POLICY :Fees are charged on a cost recovery basis  
To receive printout of entire inventory; \$42.00 plus  
shipping charge  
DATE OF INFORMATION :10/12/83  
PAPER FILE NUMBER :VA21

ORIGINAL PAGE 101  
OF POOR QUALITY

VA012-01



CODE :VA013-01

USER FEES POLICY :Chase Computer charges are paid by the user for Ad hoc retrievals or a user may have their own account and terminal hook up to Chase International Data Corporation (Washington, D.C.)

DATE OF INFORMATION :10/12/83

PAPER FILE NUMBER :VA20

STATE :VA

DATA BASE NAME :VA Large Scale Econometric Model

DATA BASE ACRONYM :VLSEM

SUBJECT COVERAGE :Contains historical and forecast (10 years, quarterly) data on personal income by place of work/residence, income by industry, manufacturing and nonmanufacturing wage rates, employment by two-digit sic code, unemployment housing starts, capital expenditures, state revenues and select national variables

GEOGRAPHIC COVERAGE :State level

AGENCY :VA Department of Taxation

RESPONDENT :Ed Sahaydak  
Commonwealth Data Base  
VA Department of Taxation  
2220 W. Broad Street  
Richmond, VA 23220  
Telephone: 804-257-8064

COMPUTER FACILITIES

COMPUTER(S) :ANDAIL

RESIDENCE :Interactive Data Corporation (Waltham, MA)

OPERATION :Batch and interactive

GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - historical, forecasts, personal income, industry income, manufacturing wage rates, nonmanufacturing wage rates, employment, unemployment housing starts, capital expenditures, state revenues

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :N/A

MINIMUM RESOLUTION :State level

DATA STORAGE FORMAT :Tabular, text

OUTPUT PRODUCTS :Tables, graphics, modelling capability, statistical summaries, computer tape

DATA SOURCES :Primary and secondary

UPDATE FREQUENCY :Varies

CLASSIFICATION :Standard Industrial Codes

COMMENTS :Time span of data: Most data quarterly from 1960

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DOCUMENTATION : "Virginia Large-Scale Econometric Model Final Report";  
"Virginia Large-Scale Econometric Model, Data Base Manual"; general model simulator and reference manual

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :VA014-01

STATE :VA  
DATA BASE NAME :Commonwealth Data Base  
DATA BASE ACRONYM :CDB  
STATUS : Commonwealth Data Base (CDB) is a project intended to develop a community type of data base to help eliminate duplication of data bases and information systems in VA's state government. CDB is the result of the combined efforts of the Department of Taxation and the Office of Commerce and Resources, who were both working on separate projects which used some of the same data. The funds for both projects were combined and appropriated to the General Assembly for developing one data base incorporating the two systems.

Currently, CDB acts as a statewide clearinghouse for information on natural resources, economic and demographic data. CDB has compiled a "Data Systems Catalog" which provides references to available data on the Commonwealth.

The CDB is comprised of several independent components which are coordinated by the CDB Task Force. To date, these consist of an Econometric Model at the Division of Taxation (see VA013-01), Landsat image processing at the VA Institute of Marine Science, and a geographic information system which has been developing at VA Polytechnic Institute and State University (see VA016-01).

Current projects include the facilitation of a move of the State Water Use Data Base from USGS to the State Water Control Board (see VA015-01), and an inventory of aerial photography covering the Commonwealth.

A proposal has been put forward to bring CDB out of the research environment and into applications. Eventually, CDB would like to have a centralized data base.

AGENCY :VA Department of Taxation  
RESPONDENT :Ann Mayo, Cartographer  
Commonwealth Data Base  
VA Department of Taxation  
2220 West Broad Street  
PO Box 6-L  
Richmond, VA 23282  
Telephone: 804-257-6277

OTHER CONTACTS :Robert McGann, Computer Systems Analyst, Commonwealth Data Base Task Force  
Telephone: 804-257-6273

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DOCUMENTATION :Commonwealth Data Base Data Systems Catalog  
Revised July, 1982  
DATE OF INFORMATION :9/15/83  
PAPER FILE NUMBER :VA2

ORIGINAL PAGE IS  
OF POOR QUALITY

VA014-01

CODE :VA015-01

STATE :VA  
DATA BASE NAME :Virginia Water Use Data System  
DATA BASE ACRONYM :VWUDS  
SUBJECT COVERAGE :Surface and ground water use  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :VWUDS is a state owned system that is being transferred from USGS in Reston to a state center. USGS sponsored software is used to allow USGS access. Eventually the Commonwealth Data Base (see VA014-01) will extract information from VWUDS. Data is in geographic format to allow for future GIS capability.  
AGENCY :VA State Water Control Board  
RESPONDENT :Robert C. McGann, Computer Systems Analyst  
Commonwealth Data Base Task Force  
VA Department of Taxation  
2220 West Broad Street  
P.O. Box 6-1  
Richmond, VA 23282  
Telephone: 804-257-6273

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033  
RESIDENCE :Central government computer center  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
water users (types by use), water suppliers (private or commercial), measuring point file (location of withdrawals, deliveries, conveyances - system generated), multiple annual measurement files by year  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tabular reports, proposed maps and graphics  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Varies, provisions are in the files to let the user know the accuracy of the data  
UPDATE FREQUENCY :Data are being entered initially now  
COMMENTS :Parts of the data base are USGS National Water Use Data System

DATA CATEGORY NAME :Groundwater -  
water users (types by use), water suppliers (private or commercial), measuring point file (location of

GEOGRAPHIC COVERAGE  
GEOGRAPHIC REFERENCE  
MINIMUM RESOLUTION  
DATA STORAGE FORMAT  
OUTPUT PRODUCTS  
DATA SOURCES  
LEVEL OF RELIABILITY

UPDATE FREQUENCY  
COMMENTS

withdrawal, deliveries, conveyances - system generated), multiple annual measurement files by year  
:Statewide  
:Latitude/longitude  
:Site specific  
:Tabular  
:Tabular reports, proposed maps and graphics  
:Primary  
:Varies, provisions are in the files to let the user know the accuracy of the data  
:Data are being entered initially now  
:Parts of the data base are USGS National Water Use Data System

DATE OF INFORMATION :9/29/83  
PAPER FILE NUMBER :VA22

ORIGINAL PAGE IS  
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CODE :VA016-01

STATE :VA  
 DATA BASE NAME :Spatial Data Analysis Lab Data  
 SUBJECT COVERAGE :Land use, elevation, lakes, powerlines, recreational areas, roads, streams, urban areas, utilities, wetlands, in the process of acquiring weather and climate data and census data for some areas  
 GEOGRAPHIC COVERAGE :Varies with the data category, but the following areas have some or all data available for their entirety or a portion of their area: Amherst County, Bedford County, Nelson County, Northampton County, Northern Virginia (parts of Loudon, Fauquier, Prince William, and Fairfax Counties), Rockbridge County, Stafford County, Tazewell County, Williamsburg County, VA Beach County, Shenandoah National Park. Elevation data is available statewide, and climatic data collection is in progress statewide.  
 STATUS :Data have been collected for specific projects. Work thus far has been supported by the Commonwealth Data Base Within the Department of Taxation in Richmond (see VA014-01). Ideally, the Program at VPI would develop the system, then eventually transfer the system to a state agency in Richmond that would then assume operational control. Currently under development is a better system for indexing data, by topic and by geographic region. In some instances, data is not stored, but is generated as needed from other data, eg. slope data can be generated from the topography file  
 AGENCY RESPONDENT :VA Polytechnic Institute and State University  
 :Dr. James B. Campbell, Associate Professor  
 Spatial Data Analysis Lab  
 VA Polytechnic Institute and State University  
 Blacksburg, VA 24061  
 Telephone: 703-961-5841 (office)  
 703-961-6886 (dept. secretary)  
 OTHER CONTACTS :Dr. Robert M. Harnlick, Director, SDA  
 Telephone: 703-961-6819

# COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/750  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

# IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Color image display, tablet-free cursor digitizer, TV digitizer, line printer (character graphics), small flatbed pen plotter  
 Hardware will probably be supplemented soon

# DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
 "level 1"  
 GEOGRAPHIC COVERAGE :Complete coverage: Stafford Co., Williamsburg Co, Shenandoah National Park  
 Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :3 acres (Shenandoah National Park)  
 27 acres (other)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, graphics, composite mapping, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Topography -  
 elevation, slope, aspect (1 degree increments)  
 landforms (12 classes)  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :27 acres  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Surface water -  
 lakes, streams  
 GEOGRAPHIC COVERAGE :Complete coverage: Stafford Co, Williamsburg Co, Shenandoah National Park  
 Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties  
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator  
 MINIMUM RESOLUTION :3 acres (Shenandoah National Park)  
 27 acres (other)  
 DATA STORAGE FORMAT :Grid, coordinate point  
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES :Primary and secondary  
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Recreation -  
 recreational areas  
 GEOGRAPHIC COVERAGE :Complete coverage: Stafford and Williamsburg Counties

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VA016-01

GEOGRAPHIC REFERENCE : Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties  
 MINIMUM RESOLUTION : Universal Transverse Mercator  
 DATA STORAGE FORMAT : 27 acres  
 OUTPUT PRODUCTS : Grid, coordinate point  
 : Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES : Primary and secondary  
 UPDATE FREQUENCY : Varies

DATA CATEGORY NAME : Transportation - roads  
 GEOGRAPHIC COVERAGE : Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park  
 : Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties  
 GEOGRAPHIC REFERENCE : Universal Transverse Mercator  
 MINIMUM RESOLUTION : 3 acres (Shenandoah National Park)  
 : 27 acres (other)  
 DATA STORAGE FORMAT : Grid, coordinate point  
 OUTPUT PRODUCTS : Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES : Primary and secondary  
 UPDATE FREQUENCY : Varies

DATA CATEGORY NAME : Infrastructure - powerlines, utilities  
 GEOGRAPHIC COVERAGE : Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park  
 : Partial coverage: Amherst, Bedford, Nelson, Northampton, Tazewell, VA Beach, Loudon, Fauquier, Prince William and Fairfax Counties  
 GEOGRAPHIC REFERENCE : Universal Transverse Mercator  
 MINIMUM RESOLUTION : 3 acres (Shenandoah National Park)  
 : 27 acres (other)  
 DATA STORAGE FORMAT : Grid, coordinate point  
 OUTPUT PRODUCTS : Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES : Primary and secondary  
 UPDATE FREQUENCY : Varies

DATA CATEGORY NAME : Urban areas  
 GEOGRAPHIC COVERAGE : Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park  
 : Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties

GEOGRAPHIC REFERENCE : Universal Transverse Mercator  
 MINIMUM RESOLUTION : 3 acres (Shenandoah National Park)  
 : 27 acres (other)  
 DATA STORAGE FORMAT : Grid, coordinate point  
 OUTPUT PRODUCTS : Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES : Primary and secondary  
 UPDATE FREQUENCY : Varies

DATA CATEGORY NAME : Wetlands  
 GEOGRAPHIC COVERAGE : Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park  
 : Partial coverage: Bedford, Northampton, Tazewell, VA Beach, Loudon, Fauquier, Prince William and Fairfax Counties  
 GEOGRAPHIC REFERENCE : Universal Transverse Mercator  
 MINIMUM RESOLUTION : 3 acres (Shenandoah National Park)  
 : 27 acres (other)  
 DATA STORAGE FORMAT : Grid, coordinate point  
 OUTPUT PRODUCTS : Maps - variable scale, composite mapping, graphics, interactive video display capability  
 DATA SOURCES : Primary and secondary  
 UPDATE FREQUENCY : Varies

DATA CATEGORY NAME : Climate/weather - average temperature, precipitation, snowfall, 24 hour min/max temperature  
 GEOGRAPHIC COVERAGE : Statewide collection of data in progress

DOCUMENTATION : Listing of data available; detailed software documentation can be accessed by terminal  
 DATE OF INFORMATION : 11/2/83  
 PAPER FILE NUMBER : VA23

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VA016-01  
 (cont.)

CODE :VA017-01

STATE :VA  
DATA BASE NAME :VA Natural Diversity Information Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the Commonwealth of Virginia and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :VA Polytechnic Institute and State University  
RESPONDENT :Steve Croy, Project Director  
VA Natural Diversity Information Program  
VA Polytechnic Institute and State University  
Biology Department - Herbarium  
Blacksburg, VA 24061  
Telephone: 703-961-5746  
OTHER CONTACTS :Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :VA24

ORIGINAL PAGE IS  
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CODE :VT001-01

STATE :VT  
DATA BASE NAME :Ground Water Management Section's Data Base  
SUBJECT COVERAGE :Groundwater data, especially well driller's report forms  
including well logs, locations, quantity of water and well  
construction information  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Agency has recently acquired their computer system and is  
currently entering data.  
AGENCY :VT Department of Water Resources and Environmental  
Engineering  
RESPONDENT :Cameron A. McCormack, Hydrogeologist  
Ground Water Management Section  
VT Department of Water Resources and Environmental  
Engineering  
State Office Building, 120 State Street  
Montpelier, VT 05602  
Telephone: 802-828-2761  
OTHER CONTACTS :David Butterfield, Chief, Ground Water Management Section

#### COMPUTER FACILITIES

COMPUTER(S) :HP 1000 A600 Model 16 System  
RESIDENCE :In-house (jointly owned with the Division of Air  
Pollution Control and Solid Waste Management)  
OPERATION :Interactive  
GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :RTE A.1  
SYSTEM CAPACITY :Main memory: 1 MB  
Disc storage: 73 MB  
Simultaneous users supported: 8 at present time  
(2 in Ground Water Section)  
LANGUAGE(S) :FORTRAN  
Assembler  
BASIC  
SPECIALIZED SOFTWARE :IMAGE/1000  
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digi-  
tizer, line printer, small flopped pen plotter,  
alphanumeric CRT's (2 in the Ground Water Section,  
8 in the entire system)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
quantity, quality, discharge/pumpage, well location,  
ground water measurements, well logs (partially in  
system now), well construction (partially in system  
now), well yield and static levels (partially in  
system now), springs, aquifer protection areas  
boundaries - state and townships

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific, two and one-half minute latitude/long-  
itude cell  
DATA STORAGE FORMAT :Grid, coordinate point  
OUTPUT PRODUCTS :Tables, graphics, maps - variable scale  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous to monthly, still in initial data entry stage  
COMMENTS :Data is supplied to USGS

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DOCUMENTATION :Yet to be completed  
USER FEES POLICY :No policy established  
DATE OF INFORMATION :8/26/83  
PAPER FILE NUMBER :VT12

ORIGINAL PAGE IS  
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VT001-01

CODE :VT002-01

STATE :VT  
DATA BASE NAME :Center for Rural Studies VT State Data Center  
SUBJECT COVERAGE :Socio-economic, demographic, and agricultural data  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :Center for Rural Studies  
RESPONDENT :Samuel A. McReynolds, Data Analyst  
Center for Rural Studies  
25 Colchester Avenue  
Burlington, VT 05401  
Telephone: 802-656-3021  
OTHER CONTACTS :Frederick Schmidt, Director

COMPUTER FACILITIES

COMPUTER(S) :DEC 2060  
RESIDENCE :University of Vermont  
OPERATION :Batch and Interactive  
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
populations, social aspects, economic aspects, census  
data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :Community, township, county  
DATA STORAGE FORMAT :Files  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
summaries, analyses of data, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annual, biennial, every 10 years  
CONFIDENTIALITY :Employment records from the DET are subject to  
restricted access

DATA CATEGORY NAME :Boundaries -  
state, counties, townships, census blocks, watersheds  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :Community, township, county  
DATA STORAGE FORMAT :Files  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
summaries, analyses of data, computer tape  
DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :Moderate

DATA CATEGORY NAME :Agriculture -  
number of farms, number of persons on farms  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :Towns  
DATA STORAGE FORMAT :Files  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
summaries, analyses of data, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annual, biennial, every 10 years

DOCUMENTATION :General information and documentation on data type are  
available  
USER FEES POLICY :Fees charged for all products and services according  
to a fee schedule  
DATE OF INFORMATION :7/29/83  
PAPER FILE NUMBER :VT13

ORIGINAL PAGE IS  
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VT002-01



CODE :VT003-01

STATE :VT  
DATA BASE NAME :Water  
SUBJECT COVERAGE :Data on the public water system - water quality, source  
of water, piping materials, SDWA violations  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :VT Division of Environmental Health  
RESPONDENT :Anne Rosenau, Water Supply Program Coordinator  
Division of Environmental Health  
Department of Health  
60 Main Street, Box 70  
Burlington, VT 05401  
Telephone: 802-862-5701  
OTHER CONTACTS :Kenneth M. Stone, PE, Director, Division of Environmental  
Health  
Karen Baron, Programmer

COMPUTER FACILITIES

COMPUTER(S) :DEC 2020  
RESIDENCE :In-house  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
BASIC  
COMOL  
TRAFFIC 20  
SPECIALIZED SOFTWARE :STATZ  
PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water quality: public water systems, water source,  
piping materials, SDWA violations  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Town  
MINIMUM RESOLUTION :Township, county, management unit  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Daily  
COMMENTS :Data is supplied to EPA - FRDS

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USER FEES POLICY :Fees charged on a cost recovery basis  
DATE OF INFORMATION :7/28/83  
PAPER FILE NUMBER :VT16

ORIGINAL PAGE IS  
OF POOR QUALITY.

VT003-01

CODE :WA001-01

CODE :WA001-02

STATE :WA  
 DATA BASE NAME :Shoreline Management Substantial Development Permits  
 and Variances  
 SUBJECT COVERAGE :land use/land cover  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :WA Department of Ecology  
 RESPONDENT :Kevin Barbee, Computer Systems Analyst  
 Data Services Section  
 WA Department of Ecology  
 Mail Stop PV-11  
 Olympia, WA 98504  
 Telephone: 206-459-6198  
 OTHER CONTACTS :Linda Rankin, Environmentalist  
 Telephone: 206-459-6278  
 Judy Nuttingly, Computer Operator  
 Telephone: 206-459-6190

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
 RESIDENCE :Central government computer center  
 OPERATION :Batch  
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome CRT's (10), line printer (character  
 graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover -  
 Mineral extraction/energy production, transportation,  
 urban/built-up, recreation, parks, unique areas,  
 ownership  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :640 acres (section, 1 square mile)  
 DATA STORAGE FORMAT :Records  
 OUTPUT PRODUCTS :Statistical summaries, lists of permits  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Continuous

DOCUMENTATION :Available on data structure and general information  
 USER FEES POLICY :Products and services are available at no charge  
 DATE OF INFORMATION :9/12/83  
 PAPER FILE NUMBER :WAS

STATE :WA  
 DATA BASE NAME :Coastal Zone Geographic Information System  
 DATA BASE ACRONYM :ATLAS C2GIS  
 SUBJECT COVERAGE :Geology and land cover  
 GEOGRAPHIC COVERAGE :Marine shoreline and upland 2000 feet (a portion of the  
 NW part of the state)  
 AGENCY :WA Department of Ecology  
 RESPONDENT :Kevin Barbee, Computer Systems Analyst  
 Data Services Section  
 WA Department of Ecology  
 Mail Stop PV-11  
 Olympia, WA 98504  
 Telephone: 206-459-6198  
 OTHER CONTACTS :Fred Gardner, Environmentalist  
 Telephone: 206-459-6289

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER NOS/BE  
 RESIDENCE :University of WA Academic Computing Center  
 OPERATION :Interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
 surficial geology, bedrock geology, sand and gravel  
 resources, slope stability  
 GEOGRAPHIC COVERAGE :A portion of northwestern WA  
 GEOGRAPHIC REFERENCE :Locations are given relative to other polygons  
 MINIMUM RESOLUTION :Data is given for each polygon, which can be from  
 100 square meters to several square miles  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Modelling capability, interactive video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Last update: March 1980

DATA CATEGORY NAME :Land use/land cover -  
 barren land, forest land, water, wetlands, estuaries,  
 urban/built-up  
 GEOGRAPHIC COVERAGE :A portion of northwest WA  
 GEOGRAPHIC REFERENCE :Locations are given relative to other polygons  
 MINIMUM RESOLUTION :Data is given for each polygon, which can be from  
 100 square meters to several square miles  
 DATA STORAGE FORMAT :Polygon  
 OUTPUT PRODUCTS :Modelling capability, interactive video display  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :Moderate  
 UPDATE FREQUENCY :Last update: March, 1980

DOCUMENTATION :Information available on software, data structure, and  
 general information  
 DATE OF INFORMATION :9/12/83  
 PAPER FILE NUMBER :WAS

ORIGINAL PAGE IS  
OF POOR QUALITYWA001-01  
WA001-02

CODE :WA001-03

STATE :WA  
DATA BASE NAME :Air Quality Data Handling System  
SUBJECT COVERAGE :Environmental quality (air)  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Ecology  
RESPONDENT :Kevin Barbee, Computer Systems Analyst  
Data Services Section  
WA Department of Ecology  
Mail Stop PV-11  
Olympia, WA 98504  
Telephone: 206-459-6198  
OTHER CONTACTS :Bob Miller, Air Quality Control Specialist  
Telephone: 206-459-6242

COMPUTER FACILITIES

COMPUTER(S) :DATA GENERAL NOVA 4  
IBM 3081  
RESIDENCE :In-house  
Central government computer center (IBM)  
OPERATION :Batch and interactive  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 256 bytes  
Disc storage: None (tape)  
Simultaneous users supported: 1  
LANGUAGE(S) :FORTRAN  
SPECIALIZED SOFTWARE :TELEMETRY MONITOR  
PERIPHERAL DEVICES :Monochrome CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
air quality: carbon monoxide, carbon dioxide,  
sulfur dioxide, nitrous oxide, total suspended  
particulate, soiling index  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator (indirectly)  
MINIMUM RESOLUTION :Nearest 10 meters  
DATA STORAGE FORMAT :Records  
OUTPUT PRODUCTS :Statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
COMMENTS :Data is supplied to EPA District 10

DATA CATEGORY NAME :Climate/weather -  
wind, temperature, solar radiation

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Universal Transverse Mercator (indirectly)  
MINIMUM RESOLUTION :Nearest 10 meters  
DATA STORAGE FORMAT :Records  
OUTPUT PRODUCTS :Statistical summaries  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous  
COMMENTS :Data is supplied to EPA District 10

DOCUMENTATION :General information available  
USER FEES POLICY :Fees charged for all products and services according  
to a fee schedule  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :WAB

ORIGINAL PAGE IS  
OF POOR QUALITY

WA001-03

CODE :WA001-04

STATE :WA  
DATA BASE NAME :WRIS Water Right Claims, Permits, Certificates and Changes  
SUBJECT COVERAGE :Surface and ground water rights  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Ecology  
RESPONDENT :Kevin Barbee, Computer Systems Analyst  
Data Services Section  
WA Department of Ecology  
Mail Stop PV-11  
Olympia, WA 206-459-6198  
Telephone: 206-459-6198  
OTHER CONTACTS :Pat Dice, Environmental Technician  
Telephone: 206-459-6129  
Judy Mattingly, Computer Operator  
Telephone: 206-459-6190

COMPUTER FACILITIES

COMPUTER(S) :IBM SERIES/1 MODEL 4956  
RESIDENCE :In-house  
OPERATION :Batch and interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :EVENT DRIVEN EXECUTIVE  
SYSTEM CAPACITY :Main memory: 768K  
Disc storage: 64M  
Simultaneous users supported: about 7  
LANGUAGE(S) :COBOL  
FORTRAN  
EDX  
SPECIALIZED SOFTWARE :Edit, update and report programs  
PERIPHERAL DEVICES :Monochrome CRT's (10), line printer (character  
graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -  
well location, water rights  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :160 acres  
DATA STORAGE FORMAT :Records  
OUTPUT PRODUCTS :Statistical summaries, lists of water rights and  
water right claims, on paper or on microfiche  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Monthly  
CONFIDENTIALITY :Claimant names should not be released for any private  
commercial gain

DATA CATEGORY NAME :Surface water -  
water rights  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :160 acres  
DATA STORAGE FORMAT :Records  
OUTPUT PRODUCTS :Statistical summaries, lists of water rights and  
water right claims, on paper or on microfiche  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Monthly  
CONFIDENTIALITY :Claimant names should not be released for any private  
commercial gain

USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :WAB

ORIGINAL PAGE IS  
OF POOR QUALITY

WA001-04

CODE :WA001-05

STATE :WA  
DATA BASE NAME :Pollution Sources and Monitoring Stations  
SUBJECT COVERAGE :Environmental quality (water)  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Ecology  
RESPONDENT :Kevin Barbee, Computer Systems Analyst  
Data Services Section  
WA Department of Ecology  
Mail Stop PV-11  
Olympia, WA 98504  
Telephone: 206-459-6198  
OTHER CONTACTS :Bob James, Programmer  
Telephone: 206-753-2812

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VP  
IBM 370  
RESIDENCE :In-house  
Central government computer center (IDN)

IN-HOUSE FACILITIES

OPERATING SYSTEM :BASIC II  
SYSTEM CAPACITY :Main memory: 64K  
Disc storage: 20M  
Simultaneous users supported: 1  
LANGUAGE(S) :BASIC  
SPECIALIZED SOFTWARE :In-house and EPA  
PERIPHERAL DEVICES :Monochrome CRT, dot matrix printer with graphics,  
drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -  
water quality, point pollution, point sources, stan-  
dard violations  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
River Mile  
MINIMUM RESOLUTION :Seconds (latitude/longitude)  
DATA STORAGE FORMAT :Records, text  
OUTPUT PRODUCTS :Statistical summaries  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Monthly  
COMMENTS :Data is supplied to STORET

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DOCUMENTATION :General information is available  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :9/12/83  
PAPER FILE NUMBER :WAB

ORIGINAL PAGE IS  
OF POOR QUALITY

WA001-05

CODE :WA002-01

STATE :WA  
DATA BASE NAME :Non-game Wildlife Information System  
SUBJECT COVERAGE :Wildlife  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Game  
RESPONDENT :Tom Owens, Wildlife Research Analyst  
Non-game Data Systems  
WA Department of Game  
600 North Capitol Way  
Olympia, WA 98504  
Telephone: 206-754-1449  
OTHER CONTACTS :Eric Barthmaier, Information Systems Manager  
Tim Young, Computer Systems Analyst

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 550 II  
IBM 3033  
RESIDENCE :In-house  
Central government computer center (IBM)  
OPERATION :Batch and interactive  
GIS CAPABILITY :Partial (Conversion to GIS in progress)

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS  
SYSTEM CAPACITY :Main memory: 3 M  
Disc storage: 300 M  
Simultaneous users supported: >15  
LANGUAGE(S) :FORTRAN  
ASSEMBLER  
BASIC  
SPECIALIZED SOFTWARE :HOMERANGE (U of I)  
MOSS (planned)  
PRIME OAS  
PRIME-DPTX

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
non-game; mammals, birds, fish, marine/estuarial,  
reptiles/amphibians, and other; game (in progress);  
mammals, birds, fish, and other; threatened and  
endangered species; habitat; surface hydrology;  
soils; boundaries; land cover; topography  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Universal Transverse Mercator  
Public Land Survey  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Polygon

#### OUTPUT PRODUCTS

Coordinate point  
:Maps - variable scale, tables, graphics, modelling  
capability, statistical summaries, composite mapping,  
computer tape

DATA SOURCES  
LEVEL OF RELIABILITY  
UPDATE FREQUENCY  
CONFIDENTIALITY

:Primary and secondary  
:Moderate  
:Continuous  
:Some data are subject to restricted access

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DOCUMENTATION :Available on data structure, data encoding format/  
procedure, and data type  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :8/19/83  
PAPER FILE NUMBER :WA9

ORIGINAL PAGE IS  
OF POOR QUALITY

WA002-01

CODE :WA003-01

STATE :WA  
DATA BASE NAME :Application Information Management System  
DATA BASE ACRONYM :AIMS  
SUBJECT COVERAGE :Mining, and land use on state land  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Natural Resources  
RESPONDENT :Lysle H. Parsons, Agriculture Lease Supr.  
WA Department of Natural Resources  
Mail Stop QW 21  
Olympia, WA 98504  
Telephone: 206-753-5304  
OTHER CONTACTS :Art Stearns, Department Supervisor  
Robert Edwards, Div. Mgr., Services and Management  
Randy Nowlan, Data Systems  
(for information on telephone numbers: 206-753-5327)

DOCUMENTATION :Available on software, data structure, data assessment  
procedures, and data encoding format/procedure  
USER FEES POLICY :Most services are department support. Outside users pay  
on certain requests  
DATE OF INFORMATION :11/8/83  
PAPER FILE NUMBER :WAI1

COMPUTER FACILITIES

RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover -  
cropland, urban/built-up, archaeological areas  
GEOGRAPHIC COVERAGE :Statewide, on state land  
DATA STORAGE FORMAT :Records  
OUTPUT PRODUCTS :Statistical summaries, general hard copy - billings -  
records of lease activity  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Bimonthly  
CONFIDENTIALITY :Data are subject to restricted access

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DATA CATEGORY NAME :Mining -  
surface mining permits  
GEOGRAPHIC COVERAGE :Statewide  
DATA STORAGE FORMAT :Records  
OUTPUT PRODUCTS :Statistical summaries, general hard copy - billings,  
records of lease activity  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Bimonthly  
CONFIDENTIALITY :Data are subject to restricted access

ORIGINAL PAGE IS  
OF POOR QUALITY

WA003-01

CODE :WA004-01

STATE :WA  
 DATA BASE NAME :Geographic Multiple Use Analysis and Planning System  
 DATA BASE ACRONYM :GEOMAPS  
 SUBJECT COVERAGE :Land use, land cover, boundaries, soils data, surface water, vegetation, and General Land Office Survey  
 GEOGRAPHIC COVERAGE :Statewide for soils and GLO Survey, State-managed uplands for all other data  
 STATUS :This system is replacing the GRIDS (Gridded Resource Inventory and Information) System beginning Jan. 1984  
 AGENCY :WA Department of Natural Resources  
 RESPONDENT :Larry J. Sugarbaker, Management Information Supervisor  
 WA State Department of Natural Resources  
 Public Lands Building, Mail Stop EV-31  
 Olympia, WA 98504  
 Telephone: 206-753-1262  
 OTHER CONTACTS :Bob Edwards, Mgr., Div. of Management Services  
 Telephone: 206-753-1262

#### COMPUTER FACILITIES

COMPUTER(S) :PRIME 750  
 PRIME 2250 (up to 7)  
 RESIDENCE :In-house  
 OPERATION :Interactive  
 GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS  
 SYSTEM CAPACITY :Main memory: 2 MB  
 Disc storage: 600 MB  
 Simultaneous users supported: 32  
 LANGUAGE(S) :FORTRAN  
 SPECIALIZED SOFTWARE :ARC  
 INFO  
 PERIPHERAL DEVICES :Monochrome graphics CRT's (4), color graphics CRT's (3), tablet-free cursor digitizers (7), line printer (character graphics), dot matrix printer with graphics, drum pen plotter, large or precision flatbed pen plotter, alphanumeric CRT's (9)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
 water body type, watershed boundaries  
 GEOGRAPHIC COVERAGE :State managed uplands, approximately 3,000,000 acres  
 scattered throughout state  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey

MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

State Plane Coordinates  
 Ad hoc grid, unreferenced  
 :2-5 acres, 1 acre, site specific  
 :Grid, arc/node, coordinate point, tabular  
 :Maps - variable scale, tables, modelling capability,  
 statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 :Primary and secondary  
 :High to low  
 :Varies  
 :Some data in the data base have restricted access  
 :Modified Anderson

DATA CATEGORY NAME

:Land cover -  
 barren land, forest land, perennial ice and snow,  
 rangeland, water, wetlands, estuaries, cropland,  
 pasture, urban/built-up  
 GEOGRAPHIC COVERAGE :State managed uplands, approximately 3,000,000 acres  
 scattered throughout state  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 Ad hoc grid, unreferenced

MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

:2-5 acres, 1 acre, site specific  
 :Grid, arc/node, coordinate point, tabular  
 :Maps - variable scale, tables, modelling capability,  
 statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 :Primary and secondary  
 :High to low  
 :Varies  
 :Some data in the data base have restricted access  
 :Modified Anderson, the ability to summarize by  
 Anderson to level II is retained

DATA CATEGORY NAME

:Land use -  
 timber, water use, cropland, transportation, urban/  
 built-up, recreation, parks, ownership, unique areas:  
 cultural, historical, and archaeological  
 GEOGRAPHIC COVERAGE :State managed lands, approximately 3,000,000 acres  
 scattered throughout the state  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 Ad hoc grid, unreferenced

MINIMUM RESOLUTION  
 DATA STORAGE FORMAT  
 OUTPUT PRODUCTS

:2-5 acres, 1 acre, site specific  
 :Grid, arc/node, coordinate point, tabular  
 :Maps - variable scale, tables, modelling capability,

ORIGINAL PAGE IS  
 OF POOR QUALITY

WA004-01



DATA SOURCES :statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 LEVEL OF RELIABILITY :Primary and secondary  
 UPDATE FREQUENCY :High to low  
 CONFIDENTIALITY :Varies  
 CLASSIFICATION :Some data in the data base have restricted access  
 :Modified Anderson, ability to summarize by Anderson  
 to level II is retained

DATA CATEGORY NAME :Boundaries -  
 state, counties, townships, watersheds, regional  
 planning districts, section corners (& type),  
 quarter section corners (& type)  
 GEOGRAPHIC COVERAGE :State managed uplands, approximately 3,000,000 acres  
 scattered throughout the state  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific  
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability,  
 statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High to low  
 UPDATE FREQUENCY :Varies  
 CONFIDENTIALITY :Some data in the data base have restricted access

DATA CATEGORY NAME :Soils data -  
 type, series, productivity  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific  
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability,  
 statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High to low  
 UPDATE FREQUENCY :Varies  
 CONFIDENTIALITY :Some data in the data base have restricted access

DATA CATEGORY NAME :Vegetation -  
 species, communities, quality/condition, biomass/  
 volume, age  
 GEOGRAPHIC COVERAGE :State managed uplands, approximately 3,000,000 acres  
 scattered throughout the state  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific  
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability,  
 statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High to low  
 UPDATE FREQUENCY :Varies  
 CONFIDENTIALITY :Some data in the data base have restricted access  
 CLASSIFICATION :Modified Anderson

DATA CATEGORY NAME :GLO Survey -  
 General Land Office Survey  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Latitude/longitude  
 Universal Transverse Mercator  
 Public Land Survey  
 State Plane Coordinates  
 Ad hoc grid, unreferenced  
 MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific  
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular  
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability,  
 statistical summaries, composite mapping, interactive  
 video display capability, computer tape  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High to low  
 UPDATE FREQUENCY :Varies  
 CONFIDENTIALITY :Some data in the data base have restricted access

DOCUMENTATION :Comprehensive documentation is under development  
 USER FEES POLICY :No policy has been established yet (new system)  
 DATE OF INFORMATION :11/8/83  
 PAPER FILE NUMBER :WA12

ORIGINAL PAGE IS  
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CODE :WA005-01

STATE :WA  
DATA BASE NAME :LCD Element Occurrence  
SUBJECT COVERAGE :Elements of natural diversity  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Nature Conservancy Program  
AGENCY :WA Department of Natural Resources  
RESPONDENT :John R. Edwards, Asst. Manager  
Division of Private Forestry and Recreation  
WA Department of Natural Resources  
Mail Stop EK-12  
Olympia, WA 98504  
Telephone: 206-753-2400  
OTHER CONTACTS :Mark Sheehan, Program Manager  
Telephone: 206-753-2449  
Elise Augenstein, Research Analyst  
Telephone: 206-753-2449

COMPUTER FACILITIES

RESIDENCE :Central government computer center  
OPERATION :Batch and interactive  
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Elements of natural diversity  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Coordinate point  
OUTPUT PRODUCTS :Statistical summaries, listings, computer tape  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous  
CONFIDENTIALITY :Sensitivity of data locations requires restricted access  
COMMENTS :Data are supplied to USFS

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USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :11/8/83  
PAPER FILE NUMBER :WA13

ORIGINAL PAGE IS  
OF POOR QUALITY

WA005-01

CODE :WA006-01

STATE :WA  
DATA BASE NAME :CALMA Mapping System  
SUBJECT COVERAGE :Land use (timber, ownership), boundaries, and soils  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Natural Resources  
RESPONDENT :Glenn Phillips, Digital Mapping Supervisor  
WA Department of Natural Resources  
Public Lands Building  
Olympia, WA 98501  
Telephone: 206-753-5009

COMPUTER FACILITIES

COMPUTER(S) :DG NOVA II  
RESIDENCE :In-house  
OPERATION :Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CALMA  
SYSTEM CAPACITY :Main memory: 32 K  
Disc storage: 25 MB  
Simultaneous users supported: 2  
SPECIALIZED SOFTWARE :Mapping/plotting software  
PERIPHERAL DEVICES :Mechanical digitizers (2), large or precision  
flatbed pen plotter, alphanumeric CRT's (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
timber, ownership  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
MINIMUM RESOLUTION :1 acre  
DATA STORAGE FORMAT :Polygon, coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, statistical summaries,  
composite mapping, interactive video display,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Boundaries -  
state, counties, townships  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
MINIMUM RESOLUTION :1 acre  
DATA STORAGE FORMAT :Polygon, coordinate point

OUTPUT PRODUCTS :Maps - variable scale, statistical summaries,  
composite mapping, interactive video display,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Soils data -  
type, series, association, capability class,  
productivity  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :State Plane Coordinates  
MINIMUM RESOLUTION :1 acre  
DATA STORAGE FORMAT :Polygon, coordinate point  
OUTPUT PRODUCTS :Maps - variable scale, statistical summaries,  
composite mapping, interactive video display,  
computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Continuous

DOCUMENTATION :Information available on hardware, software, data  
structure, data encoding format/procedure, general  
information  
USER FEES POLICY :Fees are charged on a cost recovery basis  
DATE OF INFORMATION :11/8/83  
PAPER FILE NUMBER :WA14

ORIGINAL PAGE IS  
OF POOR QUALITY

WA006-01

CODE :WA007-01

STATE :WA  
DATA BASE NAME :Hydraulic Project Approval  
DATA BASE ACRONYM :HFA  
SUBJECT COVERAGE :Surface water  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Fisheries  
RESPONDENT :Jim Fraser, Regional Habitat Manager  
WA State Department of Fisheries  
115 General Administration Building  
Olympia, WA 98504  
Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
all NPA's for all construction projects working  
within the ordinary highwater line of all streams  
GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :11/22/83  
PAPER FILE NUMBER :WA15

CODE :WA007-02

STATE :WA  
DATA BASE NAME :State Licensed Commercial Dealers and Buyers and Fishermen  
SUBJECT COVERAGE :Fisheries  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Fisheries  
RESPONDENT :Jim Fraser, Regional Habitat Manager  
WA State Department of Fisheries  
115 General Administration Building  
Olympia, WA 98504  
Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
state licensed commercial dealers and buyers,  
gear type, for salmon, marine and shell fish  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :Annual

DATE OF INFORMATION :11/22/83  
PAPER FILE NUMBER :WA15

ORIGINAL PAGE IS  
OF POOR QUALITY

WA007-01  
WA007-02

CODE :WA007-03

STATE :WA  
DATA BASE NAME :Washington State Fisheries Statistical Report  
SUBJECT COVERAGE :Fisheries  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Department of Fisheries  
RESPONDENT :Jim Fraser, Regional Habitat Manager  
WA State Department of Fisheries  
115 General Administration Building  
Olympia, WA 98504  
Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
catch and harvest data for salmon, marine fish,  
shellfish, sport and commercial  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :Annual

DATE OF INFORMATION :11/28/83  
PAPER FILE NUMBER :WA15

CODE :WA007-04

STATE :WA  
DATA BASE NAME :Salmon Spawning Ground Data Report  
SUBJECT COVERAGE :Fish  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA State Department of Fisheries  
RESPONDENT :Jim Fraser, Regional Habitat Manager  
WA State Department of Fisheries  
115 General Administration Building  
Olympia, WA 98504  
Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081  
CDC CYBER  
RESIDENCE :Central government computer center  
In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -  
all aerial, foot, and float surveys of adult salmon  
spawning ground counts  
GEOGRAPHIC COVERAGE :Statewide, but 90 percent of effort occurs in Western  
WA. Note: the Puget Sound and WA coastal areas are  
automated, the Columbia River is non-automated  
GEOGRAPHIC REFERENCE :River mile

DATE OF INFORMATION :11/28/83  
PAPER FILE NUMBER :WA15

ORIGINAL PAGE IS  
OF POOR QUALITY

WA007-03  
WA007-04

CODE :WA008-01

STATE :WA  
DATA BASE NAME :Demographic Data  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WA Office of Financial Management  
RESPONDENT :John Walker, Assistant Director  
Forecasting and Estimates Division  
WA Office of Financial Management  
300 Insurance Building  
Mail Stop ER-13  
Olympia, WA 98504  
Telephone: 206-753-5617

COMPUTER FACILITIES

COMPUTER(S) :AMDAMI F70V/B  
RESIDENCE :Washington State University

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Socio-economic data -  
birth/death certificates, etc.  
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :6/13/83  
PAPER FILE NUMBER :WA7

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :WI001-01

DATA SOURCES :Secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Annually, projections every 3 years (+/-)

STATE :WI  
DATA BASE NAME :WI Population Estimates and Projections  
SUBJECT COVERAGE :Demographic data, projections, census data  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WI Department of Administration  
RESPONDENT :Don Hail, Chief, Demographic Services  
Department of Administration  
101 South Webster Street  
PO Box 7864  
Madison, WI 53707  
Telephone: 608-266-1067  
OTHER CONTACTS :Robert Naylor, Data User Specialist  
Telephone: 608-266-1927  
Joan Jones, Management Information Specialist  
Telephone: 608-266-5471

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USER FEES POLICY :Fees are charged for data processing in excess of \$1.50  
or microfiche copies at .25 each (in excess of 10)  
DATE OF INFORMATION :7/13/83  
PAPER FILE NUMBER :W16

COMPUTER FACILITIES

COMPUTER(S) :IBM 3290 with 3299 Multiplexor  
APPLE Super II's  
IBM 360  
RESIDENCE :Department of Health and Services (IM 360 for  
handling smooth data base), University Computer  
Center (for computer mapping), In-house Micro (for  
research and graphics)  
OPERATION :Batch and Interactive  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (6), color business  
graphics CRT, color image display, line printer  
(character graphics), dot matrix printer with  
graphics, color ink-jet, small flatbed pen plot-  
ter, hard copy terminals (8), alphanumeric CRT's  
(9)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -  
populations, social aspects, economic aspects,  
projections, census data, for towns, cities,  
villages, counties and aggregates  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Civil jurisdictions  
MINIMUM RESOLUTION :Township, census data at block level for urban  
areas greater than 5000  
DATA STORAGE FORMAT :Special, inimitable code and via Census "CENSAPAC"  
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, computer  
tape, statistical summaries, interactive video  
display

ORIGINAL PAGE 19  
OF POOR QUALITY

WI001-01

CODE :W1002-01

GEOGRAPHIC REFERENCE :Public Land Survey  
MINIMUM RESOLUTION :10 acres, 40 acres, township, county, ownership unit  
OUTPUT PRODUCTS :Printout with ownership, description and practices  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Annual

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USER FEES POLICY :No policy established  
DATE OF INFORMATION :8/3/83  
PAPER FILE NUMBER :W116

STATE :WI  
DATA BASE NAME :Forest Crop Law Reminder System  
DATA BASE ACRONYM :FCL  
SUBJECT COVERAGE :Forest resources, records for each small private land-owner, location, description, practices  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The Bureau of Forestry is currently working to upgrade their systems and is deciding on changes. This data base complements W1002-02, Woodland Tax Law Reminder System  
AGENCY :WI Bureau of Forestry  
RESPONDENT :Belores Madigan, Program Assistant 4  
WI Bureau of Forestry  
Department of Natural Resources  
101 South Webster Street  
PO Box 7921  
Madison, WI 53707  
Telephone: 608-266-8019  
OTHER CONTACTS :Milton Reinke, Director, Bureau of Forestry  
Telephone: 608-266-0842

COMPUTER FACILITIES

COMPUTER(S) :IBM 8140B  
AND/OR  
IBM main frame  
RESIDENCE :Department of Transportation  
OPERATION :Batch  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :OS-MVS  
SYSTEM CAPACITY :Main memory: 16 MB/24 MB (2 Machines)  
LANGUAGE(S) :FORTRAN  
Assembler  
CONOL  
SPECIALIZED SOFTWARE :INS  
SAS  
MARK IV  
BOL  
PERIPHERAL DEVICES :XEROX 9700 laser printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -  
ownership (small private), location, stand numbers,  
timber volume, timber types, stocking, acres, year of  
origin, height, growth, size index, soils, management  
practices  
GEOGRAPHIC COVERAGE :Statewide

ORIGINAL PAGE IS  
OF POOR QUALITY

W1002-01



CODE :W1002-02

STATE :WI  
DATA BASE NAME :Woodland Tax Law Reminder System  
DATA BASE ACRONYM :WTL  
SUBJECT COVERAGE :Forest resources, records for each smaller private land-owner, location, description, practices  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :The Bureau of Forestry is currently working to upgrade their systems and is deciding on changes. This data base complements W1002-01, Forest Crop Law Reminder System.  
AGENCY :WI Bureau of Forestry  
RESPONDENT :Deborah Madigan, Program Assistant 4  
WI Bureau of Forestry  
Department of Natural Resources  
101 South Webster Street  
PO Box 7921  
Madison, WI 53707  
Telephone: 608-266-8019  
OTHER CONTACTS :Nilton Reinke, Director, Bureau of Forestry  
Telephone: 608-266-0842

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 8140B  
ANDAML  
IBM mainframe  
RESIDENCE :Department of Transportation  
OPERATION :Batch  
GIS CAPABILITY :No

#### IN-HOUSE FACILITIES

OPERATING SYSTEM :OS-MVS  
SYSTEM CAPACITY :Main memory: 16 MB/24 MB (2 machines)  
LANGUAGE(S) :FORTRAN  
Assembler  
COBOL  
SPECIALIZED SOFTWARE :IMS  
SAS  
MARK IV  
DQL  
PERIPHERAL DEVICES :XEROX 9700 laser printer

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -  
ownership (smaller private), location, stand numbers,  
timber volume, timber types, stocking, acres, year of  
origin, height, growth, site index, soils, management  
practices  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION :10 acres, 40 acres, township, county, ownership  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Printout with ownership, description and practices  
DATA SOURCES :Primary  
LEVEL OF RELIABILITY :Unknown  
UPDATE FREQUENCY :Annual

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USER FEES POLICY :No policy established  
DATE OF INFORMATION :8/3/83  
PAPER FILE NUMBER :W116

ORIGINAL PAGE IS  
OF POOR QUALITY

W1002-02

CODE :WI003-01

STATE :WI  
DATA BASE NAME :Integrated Floodplain Repository System  
DATA BASE ACRONYM :IFRS  
SUBJECT COVERAGE :Data associated with floodplain hydrologic and hydraulic studies  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WI Bureau of Water Regulation and Zoning  
RESPONDENT :Lynn Kleppe, Management Information Technician II  
WI Bureau of Water Regulation and Zoning  
Department of Natural Resources  
101 South Webster Street  
PO Box 7921  
Madison, WI 53707  
Telephone: 608-266-6883  
OTHER CONTACTS :Dave Daniel, Data Management Coordinator  
Telephone: 608-266-8038

COMPUTER FACILITIES

COMPUTER(S) :IBM-PC  
ANDAIL  
UNIVAC 1100  
VAX  
RESIDENCE :In-house (IBM-PC), WI Department of Transportation  
(ANDAIL), University of WI Madison Academic Computing  
Center (UNIVAC, VAX)  
OPERATION :Batch  
GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :IBM-PC  
SYSTEM CAPACITY :Main memory: 512 K  
LANGUAGE(S) :BASIC  
PASCAL  
SPECIALIZED SOFTWARE :HYDROLOGY  
LOTUS 1-2-3  
PERIPHERAL DEVICES :Monochrome graphics CRT, Bendix Data Grid digitizer, hard copy terminals (2), alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Floodplains -  
location, legal description, drainage area summary,  
studies associated with: author, description, methods  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
River Mile  
Community  
MINIMUM RESOLUTION :40 acres  
DATA STORAGE FORMAT :Tabular

OUTPUT PRODUCTS :Tables, interactive video display, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Whenever several studies accumulate

DATA CATEGORY NAME :Hydrology - surface -  
discharge/volume/stage, water body type, watershed  
boundaries, flooding, floodplains, flood prone areas,  
stream orders

GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
River Mile  
Community

MINIMUM RESOLUTION :40 acres  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, interactive video display, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :Moderate  
UPDATE FREQUENCY :Whenever several studies accumulate

DOCUMENTATION :Documentation available on data encoding format/procedure,  
and how to access the data  
USER FEES POLICY :Fees are charged on a cost recovery basis for the Status  
Report; IFRS hardcopy available at no charge; user pays  
for interactive retrievals, any charge ten cents per page  
DATE OF INFORMATION :8/1/83  
PAPER FILE NUMBER :WI20

ORIGINAL PAGE IS  
OF POOR QUALITY

WI003-01

CODE :WI004-01

CODE :WI005-01

STATE :WI  
 DATA BASE NAME :Forest Fire Report  
 SUBJECT COVERAGE :Data on forest fires in WI  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :WI Bureau of Forestry  
 RESPONDENT :Duane Dapor, Protection Planning Analyst  
 WI Bureau of Forestry  
 Department of Natural Resources  
 101 South Webster Street  
 PO Box 7921  
 Madison, WI 53707  
 Telephone: 608-266-7978

COMPUTER FACILITIES

COMPUTER(S) :ANDAMIL  
 RESIDENCE :WI Department of Transportation (ANDAMIL)  
 University of Wisconsin, Madison  
 OPERATION :Batch  
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 forest fires: location, date, ownership, type of  
 fire, wind, cause, damage, how handled, costs  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 County  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables, statistical summaries  
 DATA SOURCES :Secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Upon occurrence of fire  
 CONFIDENTIALITY :On-going criminal investigations and juvenile case  
 data are subject to restricted access

DOCUMENTATION : "Individual Forest Fire Report Handbook" containing  
 general information and data preparation/encoding  
 procedures  
 DATE OF INFORMATION :9/29/83  
 PAPER FILE NUMBER :W122

ORIGINAL PAGE IS  
OF POOR QUALITY

STATE :WI  
 DATA BASE NAME :Farmland Preservation Planning and Mapping  
 SUBJECT COVERAGE :Agriculture - farmland preservation  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Being automated, expected date of completion: 1985.  
 The Farmland Preservation Program is designed to help  
 agricultural landowners and local governments preserve  
 farmland. The program, established by the Wisconsin  
 Legislature in 1977, provides property tax relief in the  
 form of state income tax credit for eligible farmers who  
 participate in local programs designed to preserve far-  
 lands.  
 County records being automated. (?)  
 AGENCY :WI Department of Agriculture, Trade and Consumer Protection  
 RESPONDENT :Jim Johnson, Director, Land Resources Bureau  
 WI Department of Agriculture, Trade and Consumer  
 Protection  
 801 West Badger Road  
 PO Box 8911  
 Madison, WI 53708  
 Telephone: 608-267-9788  
 OTHER CONTACTS :Dave Podroczi, Assistant Director, Farmland Preservation  
 Program  
 Telephone: 608-266-9591

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture (Farmland Preservation) -  
 land use (general), transition areas, soil capa-  
 bility, environmental features, urban service areas,  
 soil suitability/septic, preservation areas"  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :Site specific  
 DATA STORAGE FORMAT :Mapped hard copy  
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical  
 summaries, composite mapping  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Varies by county

DOCUMENTATION :General information is available: legislative material,  
 "Wisconsin's Farmland Preservation Program", "Mapping  
 to Preserve Agricultural Land - Alternatives for Local  
 Officials and Citizens", "Planning Standards"  
 USER FEES POLICY :Products and services available at no charge  
 DATE OF INFORMATION :10/13/83  
 PAPER FILE NUMBER :W17

W1004-01  
W1005-01

CODE :W1006-01

STATE :WI  
DATA BASE NAME :Current Mineral Producers  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Repository initiated in 1980  
AGENCY :WI Geological Survey  
RESPONDENT :Cathleen Massie, Geologist  
Computer Applications  
WI Geological Survey - U.W. Ext.  
1815 University Avenue  
Madison, WI 53706  
Telephone: 608-262-9468

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100  
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
BASIC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -  
minerals, producers, locations  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :Source data have been updated within the last 5 years  
CONFIDENTIALITY :Some data subject to restricted access

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DATE OF INFORMATION :2/2/83  
PAPER FILE NUMBER :WI9-1

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :WI007-01

STATE :WI  
DATA BASE NAME :Wetlands  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Approximately 20% of the state completed to date  
AGENCY :WI Department of Natural Resources  
RESPONDENT :Bill Shaw, Applications Support Chief  
WI Department of Natural Resources  
101 South Webster Street  
P.O. Box 7921  
Madison, WI 53701  
Telephone: 608-266-2432

COMPUTER FACILITIES

COMPUTER(S) :DG MICRONOVA NP200  
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN IV  
PERIPHERAL DEVICES :Bendix digitizer, Tektronix 1440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wetlands  
COMMENTS :Wetlands are transcribed to image base maps; digitization was initiated in 1981, and should be completed by 1984

DATE OF INFORMATION :2/3/83  
PAPER FILE NUMBER :WI10-1

CODE :WI007-02

STATE :WI  
DATA BASE NAME :Shoreland Use  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Data base initiated in 1974, completed in 1977  
AGENCY :WI Department of Natural Resources  
RESPONDENT :Bill Shaw, Applications Support Chief  
WI Department of Natural Resources  
101 South Webster Street  
P.O. Box 7921  
Madison, WI 53701  
Telephone: 608-266-2432

COMPUTER FACILITIES

COMPUTER(S) :DG MICRONOVA NP200  
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN IV  
PERIPHERAL DEVICES :Bendix digitizer, Tektronix 1440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -  
shorelines, four categories (high intensity urban to low intensity rural)  
GEOGRAPHIC COVERAGE :Statewide  
UPDATE FREQUENCY :One-time only

DATE OF INFORMATION :2/3/83  
PAPER FILE NUMBER :WI10-2

ORIGINAL PAGE IS  
OF POOR QUALITY

WI007-01  
WI007-02

CODE :WI007-03

STATE :WI  
DATA BASE NAME :Land Inventory of Public Lands  
SUBJECT COVERAGE :Public ownership  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This data base was initiated in 1976 and will be used for  
long range planning.  
AGENCY :WI Department of Natural Resources  
RESPONDENT :Bill Shaw, Applications Support Chief  
WI Department of Natural Resources  
101 South Webster Street  
P.O. Box 7921  
Madison, WI 53701  
Telephone: 608-266-2432

COMPUTER FACILITIES

COMPUTER(S) :DG MICRONOVA HP200  
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN IV  
PERIPHERAL DEVICES :Bendix digitizer, Tektronix 1440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Ownership -  
public lands  
GEOGRAPHIC COVERAGE :Statewide  
DATA SOURCES :Secondary  
UPDATE FREQUENCY :One-time (may update in the future)  
CLASSIFICATION :Seven categories of governmental areas extracted from  
USGS 7 1/2' quadrangles

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DATE OF INFORMATION :2/3/83  
PAPER FILE NUMBER :WI10-3

ORIGINAL PAGE IS  
OF POOR QUALITY

WI007-03

CODE :WI008-01

DATA CATEGORY NAME :Soils data  
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

STATE :WI  
DATA BASE NAME :Southeast Regional Planning Commission Data Base  
SUBJECT COVERAGE :Natural resources data including land use, environmental  
quality, socio-economic data, surface water hydrology,  
soils data  
GEOGRAPHIC COVERAGE :Seven counties in southeastern Wisconsin  
AGENCY :Southeast Regional Planning Commission  
RESPONDENT :Tom Patterson  
Southeast Regional Planning Commission  
916 North East Avenue  
Waukesha, WI 53186  
Telephone: 414-547-6721

DATE OF INFORMATION :2/3/83  
PAPER FILE NUMBER :WI11

COMPUTER FACILITIES

COMPUTER(S) :IBM 370  
RESIDENCE :In-house  
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN  
COBOL  
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use  
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

DATA CATEGORY NAME :Environmental quality -  
air quality (point and non-point), water quality  
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

DATA CATEGORY NAME :Socio-economic data -  
census data, place of work, unemployment, means of  
transportation, registration, etc.  
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

DATA CATEGORY NAME :Surface water hydrology -  
hydrologic basins, sub-basins  
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

ORIGINAL PAGE IS  
OF POOR QUALITY

CODE :WI009-01

STATE :WI  
DATA BASE NAME :Nongame, Endangered or Threatened Vegetation and Animals  
GEOGRAPHIC COVERAGE :Statewide  
AGENCY :WI Department of Natural Resources  
RESPONDENT :Randie Jurawicz, Staff Biologist  
Bureau of Endangered Resources  
WI Department of Natural Resources  
101 South Webster Street  
P.O. Box 7921  
Madison, WI 53707  
Telephone: 608-267-7507

DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuously  
CONFIDENTIALITY :Specific locations subject to restricted access  
COMMENTS :Data acquired through field surveys

DOCUMENTATION :Description of data encoding format/procedure available  
DATE OF INFORMATION :3/3/83  
PAPER FILE NUMBER :WI13-1

COMPUTER FACILITIES

COMPUTER(S) :APPLE  
:UNIVAC  
Unidentified mainframe  
RESIDENCE :In-house (APPLE); University of Wisconsin - Madison  
(UNIVAC); Department of Transportation

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -  
rare and endangered species, site, numbers, habitat  
summary, drainage basin, condition, status  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
Drainage basin  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Interactive video display capability, printouts by  
county, township/range/section, species  
DATA SOURCES :Primary  
UPDATE FREQUENCY :Continuously  
CONFIDENTIALITY :Specific locations of sensitive areas subject to re-  
stricted access  
COMMENTS :Data acquired through field surveys

DATA CATEGORY NAME :Wildlife -  
threatened and endangered species, nongame species  
(mammals, birds, fish, marine/estuarial, amphibians,  
other), habitat, populations, site, nest order,  
drainage basin, population condition, status  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Public Land Survey  
County  
Drainage basin  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Interactive video display capability, printouts by  
county, township/range/section, species

ORIGINAL PAGE IS  
OF POOR QUALITY

WI009-01



CODE :W1009-02

CODE :W1010-01

STATE :WI  
 DATA BASE NAME :Scientific Areas  
 GEOGRAPHIC COVERAGE :Areas in the State of Wisconsin that have county, local or statewide significance for botanical, ecological or historical reasons  
 AGENCY :WI Department of Natural Resources  
 RESPONDENT :Randle Jurewicz, Staff Biologist  
 Bureau of Endangered Resources  
 WI Department of Natural Resources  
 101 South Webster Street  
 P.O. Box 7921  
 Madison, WI 53707  
 Telephone: 608-267-7507

COMPUTER FACILITIES

COMPUTER(S) :APPLE  
 :UNIVAC  
 Unidentified mainframe  
 RESIDENCE :In-house (APPLE); University of Wisconsin - Madison  
 (UNIVAC); Department of Transportation

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Scientific areas -  
 type, significance, designation, drainage basin,  
 physiographic region, ownership, location, size community or feature types, reference information available, endangered species, natural areas, etc.  
 GEOGRAPHIC COVERAGE :Statewide (areas of county, local or statewide significance for botanical, ecological or historical reasons)  
 MINIMUM RESOLUTION :By watershed or river basin, management unit, 1 square mile area, USGS quadrangle  
 COMMENTS :Data acquired through field survey

DOCUMENTATION : "Interpreting the Printout for Scientific and Natural Area Data"  
 DATE OF INFORMATION :3/3/83  
 PAPER FILE NUMBER :W113-2

STATE :WI  
 DATA BASE NAME :General Surface Waters  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Data base has been automated for approximately 15 years  
 (data collected since the 1950s)  
 AGENCY :WI Department of Natural Resources  
 RESPONDENT :Cheryl Goodman  
 Bureau of Fisheries  
 WI Department of Natural Resources  
 101 South Webster Street  
 P.O. Box 7921  
 Madison, WI 53707  
 Telephone: 608-267-7591

COMPUTER FACILITIES

COMPUTER(S) :IBM  
 :APPLE  
 UNIVAC 1100  
 RESIDENCE :In-house (APPLE); University of Wisconsin (IBM and UNIVAC 1100)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -  
 quality, water body type, morphometry, drainage area, vegetation, fish, access, parks and facilities, wetlands adjoining, wildlife, other  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 County  
 DATA STORAGE FORMAT :Tabular  
 UPDATE FREQUENCY :Data base updated periodically over a 20-year period;  
 it has not been updated for the last 8 years

DOCUMENTATION :Programming and operating chart available  
 DATE OF INFORMATION :2/23/83  
 PAPER FILE NUMBER :W114

ORIGINAL PAGE IS  
OF POOR QUALITYW1009-02  
W1010-01

CODE :WI011-01

STATE :WI  
 DATA BASE NAME :Public Lands - Forest Reconnaissance  
 SUBJECT COVERAGE :Forest management information  
 GEOGRAPHIC COVERAGE :Statewide for public lands  
 STATUS :Data acquired since 1960, automated about 10 years ago  
 AGENCY :WI Department of Natural Resources  
 RESPONDENT :Mike Bailey, Survey Specialist  
 Bureau of Forestry  
 WI Department of Natural Resources  
 Tomahawk, WI 54487  
 Telephone: 715-453-2188

COMPUTER FACILITIES

RESIDENCE :State Office Building

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -  
 location, timber type, size, volume, density, soils,  
 management  
 GEOGRAPHIC COVERAGE :Statewide for public lands  
 DATA SOURCES :Primary  
 UPDATE FREQUENCY :Continuously

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USER FEES POLICY :Fees charged on a cost recovery basis  
 DATE OF INFORMATION :3/10/83  
 PAPER FILE NUMBER :WI18

CODE :WI012-01

STATE :WI  
 DATA BASE NAME :Benchmark Inventory  
 SUBJECT COVERAGE :Topographic information  
 GEOGRAPHIC COVERAGE :Statewide  
 STATUS :Data base initiated in 1980, not yet completed  
 AGENCY :WI Department of Natural Resources  
 RESPONDENT :Ken Johnson, Environmental Engineer  
 Bureau of Water Regulation and Zoning  
 WI Department of Natural Resources  
 101 South Webster Street  
 P.O. Box 7921  
 Madison, WI 53713  
 Telephone: 608-266-2151

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC  
 RESIDENCE :University of Wisconsin (Madison)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Topography -  
 elevation, benchmark inventory  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 County  
 Reference in area (e.g. river, dam)  
 MINIMUM RESOLUTION :Site specific  
 DATA SOURCES :Secondary  
 COMMENTS :Data acquired from the Public Service Commission, Rail-  
 roads, Department of Transportation, US Geological  
 Survey, National Geodetic Survey, other Bureaus of the  
 Department of Natural Resources

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DATE OF INFORMATION :3/23/83  
 PAPER FILE NUMBER :WI21

ORIGINAL PAGE IS  
 OF POOR QUALITY

WI011-01  
 WI012-01

CODE :WV001-01

STATE :WV  
DATA BASE NAME :Wildlife/Heritage Data Base  
SUBJECT COVERAGE :Elements of natural diversity, wildlife, vegetation,  
recreation  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :Portions of the data base are associated with the  
Nature Conservancy Program  
AGENCY :WV Department of Natural Resources  
RESPONDENT :Peter E. Zurbuch, Assistant Chief  
Wildlife/Heritage Data Base  
Wildlife Resources Division  
WV Department of Natural Resources  
Ward Road, Routes 219/250 South  
P.O. Box 67  
Elkins, WV 26241  
Telephone: 304-636-1767  
OTHER CONTACTS :Brian R. McDonald, Coordinator

#### COMPUTER FACILITIES

COMPUTER(S) :AMDahl  
RESIDENCE :WV University  
GIS CAPABILITY :Yes

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric  
CRT's (6)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Elements of natural diversity -  
rare, threatened and endangered plants and animals,  
wetland habitats, special or sensitive habitats,  
unique or outstanding geologic features, significant  
wildlife breeding and feeding areas, champion size  
trees and shrubs  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
County  
Watershed  
Topographic quad  
Physiographic region  
MINIMUM RESOLUTION :Site specific  
OUTPUT PRODUCTS :Tables, graphics, statistical summaries, composite  
mapping, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous, and annually  
CONFIDENTIALITY :Some rare species data is subject to restricted access  
CLASSIFICATION :The Nature Conservancy - Heritage methodology

ORIGINAL PAGE IS  
OF POOR QUALITY

DATA CATEGORY NAME :Wildlife -  
game - mammals, birds, fish; non-game - mammals,  
birds, fish, reptiles/amphibians; habitat; threat-  
ened and endangered; hunting and fishing resources -  
hunter use surveys, game harvest data, furbearer  
harvest data, stream survey data, fish harvest data,  
fishermen use surveys, fish and wildlife stocking data  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Not geographically referenced (general information  
on species)  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, graphics, statistical summaries, composite  
mapping, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Continuous, annually, and every 5 years  
CONFIDENTIALITY :Rare species data is subject to restricted access  
CLASSIFICATION :Some with the Nature Conservancy - Heritage methodo-  
logy

DATA CATEGORY NAME :Vegetation -  
species, communities, rare and endangered  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Latitude/longitude  
Not geographically referenced  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Tabular  
OUTPUT PRODUCTS :Tables, graphics, statistical summaries, composite  
mapping, computer tape  
DATA SOURCES :Primary and secondary  
LEVEL OF RELIABILITY :High to moderate  
UPDATE FREQUENCY :Continuous  
CONFIDENTIALITY :Rare species data are subject to restricted access  
CLASSIFICATION :Some of the data are stored using The Nature Conser-  
vancy - Heritage methodology

DATA CATEGORY NAME :Recreation -  
natural areas location and description, state  
managed areas (parks, forests, public hunting and  
fishing areas)  
GEOGRAPHIC COVERAGE :Statewide  
GEOGRAPHIC REFERENCE :Not geographically referenced  
MINIMUM RESOLUTION :Site specific  
DATA STORAGE FORMAT :Manual files  
DATA SOURCES :Primary

WV001-01

LEVEL OF RELIABILITY :High  
UPDATE FREQUENCY :Whenever new areas are added or changes are made

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DOCUMENTATION :A general information brochure is available  
USER FEES POLICY :Fees are charged on a cost recovery and support basis.  
Users are charged \$50/hr with a \$25 minimum. Reciprocal  
agreements, for users providing information to the data  
base, can be negotiated for reduced or deferred fees.  
DATE OF INFORMATION :9/26/93  
PAPER FILE NUMBER :WV9

ORIGINAL PAGE 18  
OF POOR QUALITY

CODE :WY001-01

STATE :WY  
 DATA BASE NAME :Wildlife Observation System  
 DATA BASE ACRONYM :WOS  
 SUBJECT COVERAGE :Game and non-game wildlife, animal activity, mortality codes, vegetation communities  
 GEOGRAPHIC COVERAGE :Statewide  
 AGENCY :WY Game and Fish Department  
 RESPONDENT :Lee Wolirub, Biologist Technician  
 Biological Services  
 WY Game and Fish Department  
 5400 Bishop Boulevard  
 Cheyenne, WY 82002  
 Telephone: 307-777-7605

#### COMPUTER FACILITIES

COMPUTER(S) :IBM 3278 (2)  
 M6629  
 RESIDENCE :In-house, (batch requests are run from Central Government Computer Center's main frame)  
 OPERATION :Batch  
 GIS CAPABILITY :Partial

#### IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Tektronix 4631 hard copy terminal, Tektronix 4051 alphanumeric CRT, Tektronix 4907 floppy disc drive (not used for the Wildlife Observation System)

#### DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -  
 game mammals, game birds, non-game mammals, non-game birds, non-game reptiles/amphibians, management, threatened and endangered  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous  
 COMMENTS :Data is supplied to the BLM

DATA CATEGORY NAME :Animal activity -  
 activity animal is engaged in when observed  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous  
 COMMENTS :Data is supplied to the BLM

DATA CATEGORY NAME :Mortality codes -  
 fence, predation, harvest, physiological stress, pesticide and pollution, accidents, disease, cause undetermined  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Tabular  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous  
 COMMENTS :Data is supplied to the BLM

DATA CATEGORY NAME :Vegetation -  
 communities by species  
 GEOGRAPHIC COVERAGE :Statewide  
 GEOGRAPHIC REFERENCE :Public Land Survey  
 MINIMUM RESOLUTION :40 acres  
 DATA STORAGE FORMAT :Single segment multiple data record  
 OUTPUT PRODUCTS :Tables  
 DATA SOURCES :Primary and secondary  
 LEVEL OF RELIABILITY :High  
 UPDATE FREQUENCY :Continuous  
 COMMENTS :Data is supplied to the BLM

DOCUMENTATION :Available on data encoding format/procedure, data type, and general information  
 "Wildlife Observation System" WY Game and Fish Department 1980  
 "Wildlife Observation Forms" WY Game and Fish Department  
 USER FEES POLICY :Charges made on a cost recovery basis to other agencies only  
 DATE OF INFORMATION :8/18/83  
 PAPER FILE NUMBER :WY5

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WY001-01

CODE :WY002-01

STATE :WY  
DATA BASE NAME :WY Natural Heritage Program  
GEOGRAPHIC COVERAGE :Statewide  
STATUS :This program was undertaken as a cooperative effort between the State of Wyoming and The Nature Conservancy, a national nonprofit conservation organization.  
AGENCY :WY Natural Heritage Program  
RESPONDENT :Bob Lichvar, Coordinator/Botanist  
WY Natural Heritage Program  
1603 Capitol Avenue  
Room 325  
Cheyenne, WY 82001  
Telephone: 307-634-9629  
OTHER CONTACTS :Lisa Enghretson, Data Entry Specialist  
:Scott Findholt, Zoologist  
:Ellen Collins, Plant Ecologist  
:Joyce Federer, Secretary  
:Shellie Gareau, Procedures Specialist  
The Nature Conservancy  
1800 North Kent Street  
Arlington, VA 22209  
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -  
ecological values (plant and animal species, plant  
communities, aquatic systems, critical habitats and  
other natural features) of particular interest because  
they are exemplary, rare, or endangered at the state  
or national level  
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)  
DATE OF INFORMATION :1/21/83  
PAPER FILE NUMBER :WY6

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Appendix 5  
KEYWORD RETRIEVAL

Key File # 1 - CODE  
Key File # 2 - STATE  
Key File # 3 - DATA BASE NAME  
Key File # 4 - DATA BASE ACRONYM  
Key File # 5 - AGENCY  
Key File # 6 - RESPONDENT  
Key File # 7 - COMPUTER  
Key File # 8 - GIS CAPABILITY  
Key File # 9 - LANGUAGE  
Key File #10 - SPECIALIZED SOFTWARE  
Key File #11 - DATA CATEGORY NAME  
Key File #12 - GEOGRAPHIC REFERENCE  
Key File #13 - DATA SOURCES  
Key File #14 - LEVEL OF RELIABILITY

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<u>FILE #</u>	<u>CODE</u>	<u>FILE #</u>	<u>CODE</u>
1	AK001-01	64	IL007-01
2	AK002-01	65	IL007-02
3	AK002-02	66	IL007-03
4	AK002-03	67	IL007-04
5	AK003-01	68	IL008-01
6	AL001-01	69	IL009-01
7	AL002-01	70	IN001-01
8	AL003-01	71	IN001-02
9	AR001-01	72	IN002-01
10	AZ001-01	73	KS001-01
11	AZ001-02	74	KS002-01
12	AZ001-03	75	KS003-01
13	AZ001-04	76	KS004-01
14	AZ002-01	77	KS005-01
15	AZ003-01	78	KS005-02
16	CA001-01	79	KS006-01
17	CA001-02	80	KS007-01
18	CA001-03	81	KS008-01
19	CA002-01	82	KS008-02
20	CA003-01	83	KS009-01
21	CA004-01	84	KS010-01
22	CA005-01	85	KS011-01
23	CO001-01	86	KS011-02
24	CO002-01	87	KS011-03
25	CO003-01	88	KS011-04
26	CO004-01	89	KS011-05
27	CT001-01	90	KS011-06
28	CT002-01	91	KS011-07
29	CT003-01	92	KS011-08
30	DE001-01	93	KS012-01
31	DE002-01	94	KS013-01
32	FL001-01	95	KS014-01
33	FL002-01	96	KS014-02
34	FL003-01	97	KS014-03
35	FL004-01	98	KS014-04
36	HI001-01	99	KS014-05
37	HI002-01	100	KS014-06
38	HI002-02	101	KS014-07
39	HI003-01	102	KS015-01
40	HI004-01	103	KY001-01
41	HI004-02	104	KY002-01
42	HI004-03	105	LA001-01
43	HI005-01	106	LA002-01
44	IA001-01	107	LA003-01
45	IA002-01	108	MA001-01
46	ID001-01	109	MA002-01
47	ID001-02	110	MA003-01
48	ID001-03	111	MA004-01
49	ID001-04	112	ND001-01
50	ID001-05	113	ND001-02
51	ID002-01	114	ND001-03
52	ID002-02	115	ND002-01
53	ID003-01	116	NE001-01
54	ID004-01	117	NE001-02
55	ID005-01	118	MI001-01
56	ID006-01	119	MI002-01
57	IL001-01	120	MI003-01
58	IL002-01	121	MN001-01
59	IL003-01	122	MN002-01
60	IL004-01	123	MN003-01
61	IL005-01	124	MN004-01
62	IL006-01	125	MN005-01
63	IL006-02	126	NO001-01



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<u>FILE #</u>	<u>CODE</u>	<u>FILE #</u>	<u>CODE</u>
127	MO001-02	190	NY004-01
128	MO001-03	191	NY005-01
129	MO001-04	192	OH001-01
130	MO002-01	193	OH002-01
131	MO003-01	194	OK001-01
132	MO004-01	195	OK001-02
133	MS001-01	196	OK001-03
134	MS001-02	197	OK001-04
135	MS001-03	198	OK001-05
136	MS001-04	199	OK001-06
137	MS001-05	200	OK001-07
138	MS001-06	201	OK002-01
139	MS001-07	202	OK003-01
140	MS001-08	203	OK004-01
141	MS001-09	204	OK005-01
142	MS001-10	205	OK006-01
143	MS001-11	206	OK007-01
144	MS001-12	207	OK008-01
145	MS002-01	208	OR001-01
146	MS002-02	209	OR002-01
147	MS003-01	210	OR003-01
148	MT001-01	211	OR004-01
149	MT002-01	212	OR005-01
150	MT003-01	213	OR006-01
151	MT004-01	214	OR007-01
152	MT005-01	215	OR008-01
153	MT005-02	216	OR009-01
154	NC001-01	217	OR010-01
155	NC002-01	218	OR011-01
156	NC003-01	219	OR012-01
157	NC004-01	220	PA001-01
158	NC005-01	221	PA002-01
159	NC006-01	222	PA003-01
160	NC006-02	223	PA003-02
161	NC006-03	224	PA003-03
162	NC007-01	225	PA003-04
163	NC008-01	226	PA003-05
164	ND001-01	227	PA003-06
165	ND002-01	228	PA003-07
166	ND003-01	229	PA003-08
167	NE001-01	230	PA004-01
168	NE002-01	231	PA005-01
169	NJ001-01	232	PA006-01
170	NJ002-01	233	PA007-01
171	NJ002-02	235	PA008-01
172	NJ003-01	235	PA008-02
173	NJ004-01	236	PA008-03
174	NJ005-01	237	PA008-04
175	NJ005-02	238	PA009-01
176	NJ006-01	239	PA010-01
177	NJ007-01	240	PA011-01
178	NJ008-01	241	PA012-01
179	NJ009-01	242	PA013-01
180	NJ009-02	243	PA014-01
181	NJ009-03	244	PA015-01
182	NJ010-01	245	PA016-01
183	NM001-01	246	PA017-01
184	NM002-01	247	PA018-01
185	NM003-01	248	PR001-01
186	NV001-01	249	PR002-01
187	NY001-01	250	PR003-01
188	NY002-01	251	PR004-01
189	NY003-01	252	RI001-01

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KEY FILE # 1  
(cont.)

<u>FILE #</u>	<u>CODE</u>	<u>FILE #</u>	<u>CODE</u>
253	RI002-01	289	VT002-01
254	SC001-01	290	VT003-01
255	SC002-01	291	WA001-01
256	SD001-01	292	WA001-02
257	SD002-01	293	WA001-03
258	SD003-01	294	WA001-04
259	SD004-01	295	WA001-05
260	TN001-01	296	WA002-01
261	TN001-02	297	WA003-01
262	TN002-01	298	WA004-01
263	TN002-02	299	WA005-01
264	TN003-01	300	WA006-01
265	TX001-01	301	WA007-01
266	TX001-02	302	WA007-02
267	UT001-01	303	WA007-03
268	VA001-01	304	WA007-04
269	VA002-01	305	WA008-01
270	VA003-01	306	WI001-01
271	VA003-02	307	WI002-01
272	VA003-03	308	WI002-02
273	VA003-04	309	WI003-01
274	VA004-01	310	WI004-01
275	VA005-01	311	WI005-01
276	VA006-01	312	WI006-01
277	VA007-01	313	WI007-01
278	VA008-01	314	WI007-02
279	VA009-01	315	WI007-03
280	VA010-01	316	WI008-01
281	VA011-01	317	WI009-01
282	VA012-01	318	WI009-02
283	VA013-01	319	WI010-01
284	VA014-01	320	WI011-01
285	VA015-01	321	WI012-01
286	VA016-01	322	WV001-01
287	VA017-01	323	WY001-01
288	VT001-01	324	WY002-01

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<u>STATE</u>	<u>CODE</u>	<u>STATE</u>	<u>CODE</u>
AK	AK001-01		ID003-01
	AK002-01		ID004-01
	AK002-02		ID005-01
	AK002-03		ID006-01
	AK003-01		11
	5	IL	IL001-01
AL	AL001-01		IL002-01
	AL002-01		IL003-01
	AL003-01		IL004-01
	3		IL005-01
AR	AR001-01		IL006-01
	1		IL006-02
AZ	AZ001-01		IL007-01
	AZ001-02		IL007-02
	AZ001-03		IL007-03
	AZ001-04		IL007-04
	AZ002-01		IL008-01
	AZ003-01		IL009-01
	6		13
CA	CA001-01	IN	IN001-01
	CA001-02		IN001-02
	CA001-03		IN002-01
	CA002-01		3
	CA003-01	KS	KS001-01
	CA004-01		KS002-01
	CA005-01		KS003-01
	7		KS004-01
CO	CO001-01		KS005-01
	CO002-01		KS005-02
	CO003-01		KS006-01
	CO004-01		KS007-01
	4		KS008-01
CT	CT001-01		KS008-02
	CT002-01		KS009-01
	CT003-01		KS010-01
	3		KS011-01
DE	DE001-01		KS011-02
	DE002-01		KS011-03
	2		KS011-04
FL	FL001-01		KS011-05
	FL002-01		KS011-06
	FL003-01		KS011-07
	FL004-01		KS011-08
	4		KS012-01
HI	HI001-01		KS013-01
	HI002-01		KS014-01
	HI002-02		KS014-02
	HI003-01		KS014-03
	HI004-01		KS014-04
	HI004-02		KS014-05
	HI004-03		KS014-06
	HI005-01		KS014-07
	8		KS015-01
IA	IA001-01		30
	IA002-01	KY	KY001-01
	2		KY002-01
ID	ID001-01		2
	ID001-02	LA	LA001-01
	ID001-03		LA002-01
	ID001-04		LA003-01
	ID001-05		3
	ID002-01	MA	MA001-01
	ID002-02		MA002-01

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STATE	CODE	STATE	CODE
	MA003-01	ND	ND001-01
	MA004-01		ND002-01
	4		ND003-01
MD	MD001-01		3
	MD001-02	NE	NE001-01
	MD001-03		NE002-01
	MD002-01		2
	4	NJ	NJ001-01
ME	ME001-01		NJ002-01
	ME001-02		NJ002-02
	2		NJ003-01
MI	MI001-01		NJ004-01
	MI002-01		NJ005-01
	MI003-01		NJ005-02
	3		NJ006-01
MN	MN001-01		NJ007-01
	MN002-01		NJ008-01
	MN003-01		NJ009-01
	MN004-01		NJ009-02
	MN005-01		NJ009-03
	5		NJ010-01
MO	MO001-01		14
	MO001-02	NM	NM001-01
	MO001-03		NM002-01
	MO001-04		NM003-01
	MO002-01		3
	MO003-01	NV	NV001-01
	MO004-01		1
	7	NY	NY001-01
MS	MS001-01		NY002-01
	MS001-02		NY003-01
	MS001-03		NY004-01
	MS001-04		NY005-01
	MS001-05		5
	MS001-06	OH	OH001-01
	MS001-07		OH002-01
	MS001-08		2
	MS001-09	OK	OK001-01
	MS001-10		OK001-02
	MS001-11		OK001-03
	MS001-12		OK001-04
	MS002-01		OK001-05
	MS002-02		OK001-06
	MS003-01		OK001-07
	15		OK002-01
MT	MT001-01		OK003-01
	MT002-01		OK004-01
	MT003-01		OK005-01
	MT004-01		OK006-01
	MT005-01		OK007-01
	MT005-02		OK008-01
	6		14
NC	NC001-01	OK	OR001-01
	NC002-01		OR002-01
	NC003-01		OR003-01
	NC004-01		OR004-01
	NC005-01		OR005-01
	NC006-01		OR006-01
	NC006-02		OR007-01
	NC006-03		OR008-01
	NC007-01		OR009-01
	NC008-01		OR010-01
	10		OR011-01
			OR012-01
			12

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STATE	CODE	STATE	CODE
PA	PA001-01		VA005-01
	PA002-01		VA006-01
	PA003-01		VA007-01
	PA003-02		VA008-01
	PA003-03		VA009-01
	PA003-04		VA010-01
	PA003-05		VA011-01
	PA003-06		VA012-01
	PA003-07		VA013-01
	PA003-08		VA014-01
	PA004-01		VA015-01
	PA005-01		VA016-01
	PA006-01		VA017-01
	PA007-01		20
	PA008-01	VT	VT001-01
	PA008-02		VT002-01
	PA008-03		VT003-01
	PA008-04		3
	PA009-01	WA	WA001-01
	PA010-01		WA001-02
	PA011-01		WA001-03
	PA012-01		WA001-04
	PA013-01		WA001-05
	PA014-01		WA002-01
	PA015-01		WA003-01
	PA016-01		WA004-01
	PA017-01		WA005-01
	PA018-01		WA006-01
	28		WA007-01
PR	PR001-01		WA007-02
	PR002-01		WA007-03
	PR003-01		WA007-04
	PR004-01		WA008-01
	4		15
RI	RI001-01	WI	WI001-01
	RI002-01		WI002-01
	2		WI002-02
SC	SC001-01		WI003-01
	SC002-01		WI004-01
	2		WI005-01
SD	SD001-01		WI006-01
	SD002-01		WI007-01
	SD003-01		WI007-02
	SD004-01		WI007-03
	4		WI008-01
TN	TN001-01		WI009-01
	TN001-02		WI009-02
	TN002-01		WI010-01
	TN002-02		WI011-01
	TN003-01		WI012-01
	5		16
TX	TX001-01	WV	WV001-01
	TX001-02		1
	2	WY	WY001-01
UT	UT001-01		WY002-01
	1		2
VA	VA001-01		
	VA002-01		
	VA003-01		
	VA003-02		
	VA003-03		
	VA003-04		
	VA004-01		

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<u>DATA BASE NAME</u>	<u>CODE</u>	<u>DATA BASE NAME</u>	<u>CODE</u>
ACCESS	KS009-01 1	CA Natural Diversity	CA005-01 1
ACID	MA004-01 1	Cascade Resource Are	ID001-04 1
Aeromagnetic Survey	KS006-01 1	CA Statewide Soils I	CA002-01 1
Air Quality Data Han	CT002-01 WAO01-03 2	Caves	MO001-02 1
Air Quality Permit A	PA016-01 1	Census and Economic	MT002-01 1
AK Land and Resource	AK001-01 1	Center for Rural Stu	VT002-01 1
Allocated & Unalloca	OK006-01 1	Chemical Analysis of	KS007-01 1
Alosid File	VA001-01 1	Chemical Data	VA003-01 1
AL Resource Informat	AL001-01 1	CHOCTAW GMA	MS001-04 1
Ambient Lakes Databa	IL009-01 1	Claims and Overpayme	OK001-05 1
Anadromous Waters Ca	AK002-02 1	Clay Retrieval	KS011-01 1
Application Informat	WA003-01 1	Climatological Data	MO003-01 SD001-01 2
Aquarium Fish Catch	HI004-03 1	Coal Mine Permit Dat	ND002-01 1
Aquatic Data Analysi	KS014-01 1	Coal Reserves	KS004-01 1
AR Natural Heritage	AR001-01 1	Coal Resource and Mi	IL006-01 1
Automated Geographic	UT001-01 1	Coastal Regulatory D	NJ005-01 1
AZ Land Resource Inf	AZ001-04 1	Coastal Resource Dat	HI002-01 1
AZ Natural Heritage	AZ003-01 1	Coastal Zone Geograp	WA001-02 1
AZ Vegetation Invent	AZ001-01 1	CO Inventory of Cult	CO003-01 1
Balance File	OK001-07 1	Commercial Fish Catc	HI004-02 1
Basic Well Data	IL007-03 1	Commonwealth Data Ba	VA014-01 1
Bay Area Spatial Inf	CA004-01 1	Compliance Monitorin	NC006-01 1
Benchmark Inventory	WI012-01 1	Comprehensive Plan	NJ002-01 1
Benthic Surveys	VA002-01 1	CO Natural Heritage	CO004-01 1
BIGBEE	MS001-08 1	Core Collection	KS005-02 1
Biological	NC006-03 1	CO Resource Informat	CO002-01 1
Branch Library Manag	NC001-01 1	CORRIDOR	MS001-11 1
Breeding Bird Atlas	NY004-01 1	Creal Census Data	KS014-02 1
BRIDGE	MS001-12 1	CT Census Data Cente	CT001-01 1
Brine Analysis - Kan	KS012-01 1	CT Natural Resources	CT003-01 1
CALMA Mapping System	WA006-01 1	Current Meter Data	VA004-01 1

PRECEDING PAGE BLANK NOT FILMED

<u>DATA BASE NAME</u>	<u>CODE</u>
Current Mineral Prod	WIO06-01
	1
Dam Inventory	ID004-01
	1
Delaware Valley Regi	PA005-01
	1
Delinquent Payments	OK001-06
	1
Demographic Data	NE002-01
	WA008-01
	2
DEP Geographic Data	NJO10-01
	1
DEPFFINV and DistFw	NJO07-01
	1
Detail File	OK001-03
	1
Detailed Payment Fil	OK001-04
	1
DE Water Use Data Sy	DE002-01
	1
Digital Topo Databas	AZ001-02
	1
Directory of Mineral	PA008-03
	1
Diversion Allocation	NJO09-02
	1
Division of Recreati	FL003-01
	1
Economic Planning In	HI005-01
	1
Elk Habitat Inventor	ORO01-01
	1
Environmental Radiat	NC004-01
	1
Farmland Mapping and	CA003-01
	1
Farmland Preservation	WIO05-01
	1
File 28	SD002-01
	1
Fire Studies/Fire Re	ORO05-01
	1
Fish Inventory of Or	ORO03-01
	1
FL Natural Areas Inv	FL004-01
	1
FL Subsurface Geolog	FL002-01
	1
Forest Crop Law Remi	WIO02-01
	1
Forest Fire Report	WIO04-01
	1
Forest Operator-Land	ORO06-01
	1
Forest Resource Surv	ORO02-01
	1
Freshwater Wetlands	NY003-01
	1
Furbearer Harvest Su	KS014-06
	1
Gas Production	KS011-03
	1

<u>DATA BASE NAME</u>	<u>CODE</u>
General Climatologic	MS001-03
	1
General Surface Wate	WIO10-01
	1
Geographic Multiple	WA004-01
	1
Geothermal	KS008-01
	1
Ground Water Quality	IL008-01
	1
Ground Water Managem	VT001-01
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Groundwater Sources	ORO08-01
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Habitat Assessment M	AK002-01
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HI Planning Activiti	HI002-02
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Historic Sites Inven	HI001-01
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Hunter Report Cards	KS014-03
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Hydraulic Project Ap	WA007-01
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Hydrological Data Ba	PRO02-01
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Hydrologic Informati	VA005-01
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IA Natural Areas Inv	IA001-01
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IA Water Resources D	IA002-01
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ID Water Use Data Sy	ID005-01
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IDWR Image Analysis	ID001-02
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IDWR Image Analysis	ID001-05
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IL Natural Areas Inv	IL002-01
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IL Streams Informati	IL003-01
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ILLIMAP	IL007-04
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IN Heritage Program	IN002-01
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Insect Damage Survey	ORO07-01
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Insect and Disease S	PA002-01
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Integrated Flood Obs	PA011-01
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Integrated Floodplai	WIO03-01
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<u>DATA BASE NAME</u>	<u>CODE</u>	<u>DATA BASE NAME</u>	<u>CODE</u>
Intents to Drill	KS011-06 1	MD Automated Geograp	MD001-01 1
Kansas Data Base	KS002-01 1	MD Geographic Distri	MD001-02 1
KS On-line Automated	KS010-01 1	MD Natural Heritage	MD002-01 1
KS Policy Database S	KS001-01 1	MD Recreation Invent	MD001-03 1
KY Heritage Program	KY002-01 1	ME Lakes Morphometri	ME001-01 1
KY Natural Resources	KY001-01 1	ME Lakes Water Quali	ME001-02 1
LA Areal Resource In	LA003-01 1	MI Natural Features	MI003-01 1
LA Water Well Invent	LA001-01 1	Mineral Resources	KS011-04 1
Land Area Inventory	PA003-02 1	Minerals Storage and	PA003-05 1
Land Classification	CA001-02 1	Miners Data Base	IL007-01 1
Land Cover	MO001-01 1	MI Resource Informat	MI002-01 1
Land Information and	ID002-01 1	MN Ambient Air Quali	MN002-01 1
Land Inventory of Pu	WI007-03 1	MN Ambient Ground-Wa	MN003-01 1
Landlines Database	AZ001-03 1	MN Land Management I	MN001-01 1
Landmarks Research D	VA010-01 1	MN Natural Heritage	MN005-01 1
Land Resources Infor	NC007-01 1	Model Implementation	IN001-01 1
Landsat Crop Invento	AZ002-01 1	MO Natural Heritage	MO004-01 1
Landsat Forest Inven	OK005-01 1	MONTAN DAM	MT004-01 1
Landsat Remote Sensi	RI001-01 1	MS Automated Resourc	MS002-01 1
Landslide Informatio	IL006-02 1	MS State Data Base	MS002-02 1
Land Use	CA001-01 1	MS State Heritage Pr	MS003-01 1
Land Use Change	DE001-01 1	MT Trust Lands Inven	MT001-01 1
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Lease Legal Descript	OK001-02 1	Natural, Cultural an	PR003-01 1
Limestone - Physical	KS011-02 1	NC Natural Heritage	NC003-01 1
Local Unit Computeri	MI001-01 1	NC Outdoor Recreatio	NC002-01 1
MA Heritage Program	MA002-01 1	ND Natural Heritage	ND003-01 1
Marine Fish Transect	HI004-01 1	NE Natural Resources	NE001-01 1
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MA Wildlife Inventor	MA001-01 1	NJ Energy Data Syste	NJ003-01 1



<u>DATA BASE NAME</u>	<u>CODE</u>
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NM Natural Resources	NM001-01
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NM State Heritage Pr	NM003-01
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Non-game, Endangered	WIO09-01
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Non-game Wildlife In	WA002-01
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NSB Geographic Infor	AK003-01
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NYS Adirondack Park	NY005-01
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Observation Well Lev	VA003-02
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OH Capability Analys	OH001-01
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OH Natural Heritage	OH002-01
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Oil & Gas Field File	OK007-01
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Oil Production	KS011-07
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OK Climatological Su	OK004-01
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OK Geographic Inform	OK002-01
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OK Natural Heritage	OK008-01
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OK Water Use Data Sy	OK003-01
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OR Natural Heritage	ORO10-01
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Oyster Spatfall Data	VA007-01
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PA Abandoned Mine La	PA007-01
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PA Bureau of Forestr	PA003-08
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PA Emission Data Sy	PA012-01
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PA Fish and Wildlife	PA001-01
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PA Mineral List	PA008-02
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PA Natural Diversity	PA003-03
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PA Recreation Inventory	PA017-01
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PA State Data Center	PA018-01
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PA Stream and Lake I	PA004-01
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Pearl River	MS001-07
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Permit Files	PA015-01
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Phytoplankton	NC006-02
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Picture-Rocks-Sonest	PA008-01
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Planning Region 8 -	IN001-02
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Plugging File	KS011-08
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Pollution Sources an	WA001-05
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PR Department of Agr	PRO04-01
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Private Land - Fores	ID002-02
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PROCEDURES: A Wildli	MO002-01
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Public Lands - Fores	WI011-01
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Public Open Space an	NJ006-01
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Puerto Rico	PRO01-01
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Pumpage and Use	VA003-03
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Rare and Endangered	MO001-03
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Reading Prong	PA008-04
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Recreation Resources	ORO12-01
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Regional Climate Coo	IL001-01
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Reservoir Contents	MT005-01
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Resource Inventory	HI003-01
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RI Heritage Program	RI002-01
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RUN WILD	AL003-01
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Rural Mail Carrier S	KS014-07
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Salmon Spawning Grou	WA007-04
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SC Heritage Trust	SC002-01
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Scientific Areas	WIO09-02
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SC Natural Resources	SC001-01
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SD Natural Heritage	SD003-01
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SEDA-Council of Gove	PA006-01
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Seismic	KS008-02
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Self-Supplied Water	NJ002-02
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SELGEM	KS015-01
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Shorefront Municipal	NJ005-02
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Shoreland Use	WIO07-02
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Shoreline Management	WA001-01 1	VA Natural Diversity	VA017-01 1
Significant Habitats	NY002-01 1	VA Outdoor Plan Info	VA012-01 1
Small Fish Survey	VA008-01 1	Vegetation Water Use	CA001-03 1
Small Game Harvest S	KS014-05 1	VIMS Hydrographic Da	VA011-01 1
Snowmobile Registrat	PA003-07 1	VA Water Use Data Sy	VA015-01 1
Socio-economic Data	KS003-01 1	WA State Fisheries S	WA007-03 1
Soil Testing Program	NC005-01 1	Water Data Water Wei	VA003-04 1
Soils Reference	MS001-02 1	Waterflood Oil Produ	IL007-02 1
Solid Waste Activity	PA013-01 1	Waterfowl Chronology	KS014-04 1
Solid Waste Facility	MN004-01 1	Water Permit Annual	ND001-01 1
Southeast Regional P	WI008-01 1	Water Resources Data	PA009-01 1
Southwest Groundwater	KS013-01 1	Water Rights Data Ba	ID006-01 VI003-01 2
Spatial Data Analysi	VA016-01 1	Water Rights Informa	OR011-01 1
State Forest Invento	NJ008-01 1	Water Supply Analyse	NC008-01 1
State Licensed Comme	WA007-02 1	Water Use	TN001-01 1
State Park Basic Inf	PA014-01 1	Water Well Inventory	PA010-01 TN001-02 2
Statewide Digital Da	AL002-01 1	Well Completion Form	KS011-05 1
Status, Trends and U	NV001-01 1	Well Permits	NJ009-01 1
Streamflow Records	OR009-01 1	Well Records	NJ009-03 1
Stream Flows	MT005-02 1	Well Samples	KS005-01 1
Survey and Landings	VAG09-01 1	Well Unit Master Fil	OK001-01 1
Survey of Mining Ope	NJ004-01 1	Wetlands	WI007-01 1
Tallahalla Game Manag	MS001-06 1	Wildlife Distributio	AK002-03 1
Timber Sales Trackin	PA003-04 1	Wildlife/Heritage Da	WV001-01 1
Timber Volume Invent	PA003-01 1	Wildlife Observation	WY001-01 1
TN Natural Heritage	TN002-01 1	Wildlife Resource In	CO001-01 1
TN Natural Heritage	TN002-02 1	WI Population Estima	WI001-01 1
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TX Natural Resources	TX001-02 1	WRI Data System	SD004-01 1
Upper Snake River, I	ID003-01 1	WRIS Water Right Cla	WA001-04 1
Urban Wildlife Habit	NY001-01 1	WY Natural Heritage	WY002-01 1
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CRIS	CO002-01		1
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EPIS	HI005-01		1
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GEOMAPS	WA004-01		1
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HISARS	VA005-01		1
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WCBRG 160	VA003-01
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WCBRG 310	VA003-04
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WCBRG 320	VA003-04
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WCBRG 321	VA003-04
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WCBRG 330	VA003-04
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<u>AGENCY</u>	<u>CODE</u>	<u>AGENCY</u>	<u>CODE</u>
AK Department of Fis	AK002-01	DE River Basin Commi	NJ002-01
	AK002-02		NJ002-02
	AK002-03		2
	3	DE Valley Regional	PA005-01
AK Department of Nat	AK001-01		1
	1	FL Bureau of Geology	FL002-01
AL Department of Con	AL003-01		1
	1	FL Department of Nat	FL001-01
AL Department of Eco	AL001-01		FL003-01
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AL Power Company	AL002-01	Geographic Resources	MO002-01
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AR Natural Heritage	AR001-01	HI Department of Lan	HI001-01
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Association of Bay A	CA004-01		HI004-01
	1		HI004-02
AZ Department of Wat	AZ002-01		HI004-03
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AZ Game and Fish Dep	AZ003-01	HI Department of Pla	HI002-01
	1		HI002-02
AZ State Land Depart	AZ001-01		HI005-01
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	AZ001-03	IA Conservation Comm	IA001-01
	AZ001-04		1
	4	IA Geological Survey	IA002-01
Bureau of Business R	NE002-01		1
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Butler University	IN001-01		ID002-02
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	2	ID Department of Wat	ID001-01
CA Department of Con	CA002-01		ID001-02
	CA003-01		ID001-03
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CA Department of Wat	CA001-01		ID001-05
	CA001-02		ID003-01
	CA001-03		ID004-01
	3		ID005-01
CA Natural Diversity	CA005-01		ID006-01
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Center for Applicati	OK002-01	IL Department of Con	IL002-01
	1		IL003-01
Center for Public Af	KS001-01		2
	1	IL Environmental Pro	IL009-01
Center for Remote Se	DE001-01		1
	1	IL Natural History S	IL005-01
Center for Rural Stu	VT002-01		1
	1	IL State Geological	IL006-01
CO Department of Nat	CO001-01		IL006-02
	CO002-01		IL007-01
	2		IL007-02
CO Historical Societ	CO003-01		IL007-03
	1		IL007-04
CO Natural Heritage	CO004-01		6
	1	IL State Museum	IL004-01
CT Department of Env	CT002-01		1
	CT003-01	IL State Water Surve	IL001-01
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CT Office of Policy	CT001-01		2
	1	IN Department of Nat	IN002-01
DE Department of Nat	DE002-01		1
	1	KS Biological Survey	KS015-01
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KS Fish and Game Com	KS014-01
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	KS014-03
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KS Geological Survey	KS002-01
	KS004-01
	KS005-01
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	KS006-01
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	KS008-01
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	KS012-01
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KY Natural Resources	KY001-01
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KY Nature Preserves	KY002-01
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LA Geological Survey	LA001-01
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LA Office of State P	LA003-01
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MA Department of Env	MA002-01
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MA Department of Fis	MA001-01
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MD Department of Nat	MD002-01
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MD Department of Sta	MD001-01
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	MD001-03
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ME Department of Env	ME001-01
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MI Department of Com	MI001-01
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MI Department of Nat	MI002-01
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MN Department of Nat	MN005-01
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MN Pollution Control	MN002-01
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MN State Planning Ag	MN001-01
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MO Department of Con	MO001-01
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	MO001-03
	MO001-04
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MO Department of Nat	MO004-01
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MS Remote Sensing Ce	LA002-01
	MS001-01
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	MS001-03
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	MS001-08
	MS001-09
	MS001-10
	MS001-11
	MS001-12
	PRO01-01
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MS Research & Develo	MS002-01
	MS002-02
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MS State Heritage Pr	MS003-01
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MT Department of Com	MT002-01
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MT Department of Hea	MT003-01
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MT Department of Nat	MT004-01
	MT005-01
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MT Department of Sta	MT001-01
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NC Department of Agr	NC005-01
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NC Department of Hum	NC008-01
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NC Department of Nat	NC003-01
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NC Division of Envir	NC006-01
	NC006-02
	NC006-03
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NC Division of Parks	NC002-01
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NC Radiation Protect	NC004-01
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ND Parks and Recreat	ND003-01
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ND Public Service Co	ND002-01
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ND State Water Commi	ND001-01
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NE Natural Resources	NE001-01
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NJ Bureau of Forestr	NJ008-01		2
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NJ Bureau of Water A	NJ009-01		OR004-01
	NJ009-02		OR005-01
	NJ009-03		OR006-01
	3		OR007-01
NJ Department of Ene	NJ003-01		5
	1	OR Natural Heritage	OR010-01
NJ Division of Coast	NJ005-01		1
	NJ005-02	OR Water Resources D	OR008-01
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NJ Division of Parks	NJ007-01		OR011-01
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NJ Division of Water	NJ001-01	PA Bureau of Forestr	PA002-01
	1		PA003-01
NJ Geological Survey	NJ004-01		PA003-02
	1		PA003-03
NJ Green Acres Progr	NJ006-01		PA003-04
	1		PA003-05
NJ Office of Science	NJ010-01		PA003-06
	1		PA003-07
NM Department of Gam	NM003-01		PA003-08
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NM Natural Resources	NM001-01	Pacific Northwest Ri	OR012-01
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North Slope Borough	AK003-01	PA Department of Env	PA007-01
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NV Department of Wil	NV001-01		PA008-02
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NY Department of Env	NY003-01		PA008-04
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NYS Adirondack Park	NY005-01		PA012-01
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NYS Department of En	NY001-01		PA014-01
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OH Department of Nat	OH001-01		PA017-01
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	2	PA Emergency Managem	PA011-01
OK Climatological Su	OK004-01		1
	1	PA Fish Commission	PA004-01
OK Corporation Commi	OK006-01		1
	1	PA Game Commission	PA001-01
OK Department of Tou	OK008-01		1
	1	PA Institute of Stat	PA018-01
OK Geological Survey	OK007-01		1
	1	PR Department of Agr	PR004-01
OK State Department	OK005-01		1
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OK Tax Commission	OK001-01		PR003-01
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	OK001-05	SC Wildlife and Mari	SC002-01
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OK Water Resources B	OK003-01	SD Department of Wat	SD001-01
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SEDA-Council of Gove	PA006-01 1	VT Department of Wat	VT001-01 1
Solid and Hazardous	NC001-01 1	VT Division of Envir	VT003-01 1
Southwest Groundwater	KS013-01 1	WA Department of Eco	WA001-01 WA001-02 WA001-03 WA001-04 WA001-05 5
Southeast Regional P	WI008-01 1	WA Department of Fis	WA007-01 WA007-02 WA007-03 WA007-04 4
Technology Applicati	NM002-01 1	WA Department of Gam	WA002-01 1
The Nature Conservan	FL004-01 1	WA Department of Nat	WA003-01 WA004-01 WA005-01 WA006-01 4
TN Department of Con	TN002-01 TN002-02 2	WA Office of Financi	WA008-01 1
TN Department of Pub	TN001-01 TN001-02 2	Water Resources Inst	SD004-01 1
TN Office of Natural	TN003-01 1	WI Bureau of Forestr	WI002-01 WI002-02 WI004-01 3
TX Department of Wat	TX001-01 TX001-02 2	WI Bureau of Water R	WI003-01 1
University of Missou	MO003-01 1	WI Department of Adm	WI001-01 1
University of Rhode	RI001-01 1	WI Department of Agr	WI005-01 1
University of South	SC001-01 1	WI Department of Nat	WI007-01 WI007-02 WI007-03 WI007-04 WI009-01 WI010-01 WI011-01 WI012-01 9
UT Department of Nat	UT001-01 1	WI Geological Survey	WI006-01 1
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VA Department of Tax	VA013-01 VA014-01 2	WY Game and Fish Dep	WY001-01 1
VA Division of Parks	VA012-01 1	WY Natural Heritage	WY002-01 1
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VA Polytechnic Insti	VA016-01 VA017-01 2		
VA State Water Contr	VA003-01 VA003-02 VA003-03 VA003-04 VA015-01 5		



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	MD001-02	Bright	1
	MD001-03	Brown	KS002-01
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Aldrich	IN002-01	Campbell	PA006-01
Anderson	1	Candelario	1
	ID001-01	Cardoza	OR001-01
	ID001-02	Carr	1
	ID001-03	Carroll	CA005-01
	ID001-04	Carter	1
	ID001-05	Cawfield	OK008-01
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Apgar	DE002-01	Cook	VA016-01
Aponte	1	Crispin	1
Atkinson	PRO02-01	Croswell	PRO03-01
Baesler	1	Croy	1
Bailey	OK005-01	Cunningham	MA001-01
Baker	1	Curran	1
	ND001-01	Darling	KS003-01
	1	Darmstadt	1
	WI011-01	Davy	NY004-01
	1	Decker	1
	AK002-01	Diaz	NJ001-01
	AK002-02	Doveton	1
	AK002-03	Downing	MT005-01
	3		MT005-02
Bansal	NE001-01		2
Barbee	1		MM005-01
	WA001-01		1
	WA001-02		MO001-01
	WA001-03		MO001-02
	WA001-04		MO001-03
	WA001-05		MO001-04
	5		4
Barnes	PA008-01		MI003-01
	PA008-02		1
	PA008-03		KY001-01
	PA008-04		1
	4		VA017-01
Becker	IL002-01		1
	1		AK001-01
Bednar	PA011-01		1
	1		NY005-01
Beene	KS011-01		1
	KS011-02		UT001-01
	KS011-03		1
	KS011-04		NJ003-01
	KS011-05		1
	KS011-06		VA012-01
	KS011-07		1
	KS011-08		MO003-01
	8		1
Bell	NJ004-01		VA002-01
	1		1
Bender	SD004-01		KS010-01
	1		1
Bennett	SC002-01		MS002-01
	1		NS002-02
Blanchard	OK002-01		2
	1		

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<u>RESPONDENT</u>	<u>CODE</u>	<u>RESPONDENT</u>	<u>CODE</u>
DuBrock	PA001-01 1	Haddad	FL001-01 1
Dugas	LA003-01 1	Haefner	MO004-01 1
DuMontelle	IL006-01 IL006-02 2	Hall	OR003-01 1
Dupor	WI004-01 1	Hannan	KY002-01 1
Earley	PA007-01 1	Hanson	LA001-01 1
Eddy	OK004-01 1	Hatfield	NC005-01 1
Edwards	WA005-01 1	Haven	VA007-01 1
Elmore	NC008-01 1	Heidari	KS009-01 1
Enser	RI002-01 1	Hickok	PA003-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 8
Feingold	MA002-01 1		MI001-01 1
Fenwick	MD002-01 1	Holl	WI001-01 1
Fong	NC004-01 1	Hollingshead	ID004-01 1
Fraser	WA007-01 WA007-02 WA007-03 WA007-04 4	Holloran	KS014-01 KS014-02 KS014-03 KS014-04 KS014-05 KS014-06 KS014-07 7
Fredrick	MN002-01 1	Houtcooper	SD003-01 1
Frph	OK001-01 OK001-02 OK001-03 OK001-04 OK001-05 OK001-06 OK001-07 7	Hughes	CT003-01 OR011-01 2
Galida	PA013-01 1	Humphrey	OK006-01 1
Gast	PA009-01 1	Huston	IA001-01 1
Gatewood	FL004-01 1	Hyde	IN001-01 IN001-02 2
Gauss	CO003-01 1	Ifuku	HI005-01 1
Gayk	VA010-01 1	Illgner	KS013-01 1
Geyer	PA010-01 1	Isaacs	NM001-01 1
Goetze	NC006-01 NC006-02 NC006-03 3	Jarvie	MT003-01 1
Goodman	WI010-01 1	Johnson	AZ003-01 VA005-01 WI005-01 WI012-01 4
Gordon	MS003-01 1		
Greene	PA005-01 1		
Gregory	FL003-01 1		

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<u>RESPONDENT</u>	<u>CODE</u>	<u>RESPONDENT</u>	<u>CODE</u>
Jurewicz	WI009-01	McReynolds	VT002-01
	2		1
Kato	HI002-01	Meade	NJ008-01
	2		1
Keller	MA004-01	Mealey	OR012-01
	1		1
Kelly	AZ002-01	Mellin	ID005-01
	1		1
Klemas	DE001-01	Miller	ID002-01
	1		ID002-02
Kleppe	WI003-01		LA002-01
	1		MS001-01
Kline	OR007-01		MS001-02
	1		MS001-03
Koeln	MO002-01		MS001-04
	1		MS001-05
Korematsu	CA002-01		MS001-06
	1		MS001-07
Koulet	CO002-01		MS001-08
	1		MS001-09
Kriete	VA001-01		MS001-10
	1		MS001-11
Landgraf	HI003-01		MS001-12
	1		NJ007-01
Leshar	PA016-01		OR002-01
	1		PRO01-01
Lichvar	WY002-01	Mills	18
	1		NJ010-01
Liechti	KS015-01	Minick	1
	1		SC001-01
Lissner	OR008-01	Minnerath	1
	1		SD002-01
Little	IL009-01		1
	1	Molini	NV001-01
Lucey	NJ009-01		1
	NJ009-02	Neilson	VA006-01
	NJ009-03		1
	3	O'Connor	NY003-01
Madigan	WI002-01		1
	2	Ogaard	ND002-01
	1		1
Manner	CA003-01	Ota	HI001-01
	1		1
Massie	WI006-01	Owens	WA002-01
	1		1
Master	MA003-01	Ozard	NY002-01
	1		1
Matthews	NY001-01	Parsons	WA003-01
	1		1
Mayo	VA014-01	Patterson	WI008-01
	1		1
McAllister	MN001-01	Pearsall	TN002-01
	1		TN002-02
McCance	OH002-01		2
	1	Perez	PR004-01
McCormack	VT001-01		1
	1	Peterson	CO004-01
McCulloch	TX001-01		1
	2	Phillips	WA006-01
	1		1
McGann	VA015-01	Pursell	NE002-01
	1		1

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<u>RESPONDENT</u>	<u>CODE</u>	<u>RESPONDENT</u>	<u>CODE</u>
Quimby	PA002-01	Spitz	KS012-01
	1		1
Raves	PA017-01	Steeple	KS008-01
	1		KS008-02
Redmond	TN003-01		2
	1	Stern	NJ005-01
Richardson	RI001-01		NJ005-02
	1		2
Robertson	ID003-01	Stevenson	AL001-01
	NT002-01		1
	2	Stokes	NJ006-01
Roe	NC003-01		1
	1	Strauss	PA014-01
Rondeau	OR005-01		1
	1	Sugarbaker	WA004-01
Rosenau	VT003-01		1
	1	Summers	OK007-01
Sabel	MN004-01		1
	1	Talcott	IA002-01
Sahaydak	VA013-01		1
	1	Talmon	NM002-01
Sakuda	HI004-01		1
	HI004-02	Taylor	MT004-01
	HI004-03		1
	3	Tessar	AZ001-01
Sawyer	CA001-01		AZ001-02
	CA001-02		AZ001-03
	CA001-03		AZ001-04
	3		4
Scales	OR009-01	Tichacek	IL003-01
	1		1
Schnure	CT001-01	Tortoriello	NJ002-01
	1		NJ002-02
Schock	IL008-01		2
	1	Treworgy	IL005-01
Schrupp	CO001-01		1
	1	Trippier	MN003-01
Schuelein	OK003-01		1
	1	Tuthill	ID006-01
Scieszka	MI002-01		1
	1	Van Atta	TN001-01
Scott	FI002-01		TN001-02
	1		2
Shaw	VA011-01	VanDyke	IL007-01
	WI007-01		IL007-02
	WI007-02		IL007-03
	WI007-03		IL007-04
	4		4
Siderelis	NC007-01	Van Engel	VA009-01
	1		1
Simkins	MT001-01	Voelker	OR004-01
	1		1
Skill	OR006-01	Vogel	IL001-01
	1		1
Slocum	KS001-01	Wagner	VA003-01
	1		VA003-02
Smith	AR001-01		VA003-03
	1		VA003-04
Snyder	PA004-01		4
	1	Wahl	NM003-01
Soine	ND003-01		1
	1	Walker	PA012-01
Soper	OR010-01		WA008-01
	1		2

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<u>RESPONDENT</u>	<u>CODE</u>
Watney	KS005-01 KS005-02 2
Webb	AK003-01 1
Welch	ME001-01 ME001-02 VA004-01 3
Wells	OH001-01 1
White	AL003-01 1
Whittemore	KS007-01 1
Wiant	IL004-01 1
Wilson	CA004-01 1
Wojcik	VA008-01 1
Wollrab	WY001-01 1
Woodburn	SD001-01 1
Yanosy	CT002-01 1
Yarger	KS006-01 1
Zurbuch	WV001-01 1

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<u>COMPUTER(S)</u>	<u>CODE</u>	<u>COMPUTER(S)</u>	<u>CODE</u>
ALTAIR	IL006-01	BURROUGHS B-6700	PA002-01
	IL006-02		PA003-01
	IL007-01		PA003-02
	IL007-02		PA003-03
	IL007-03		PA003-04
	IL007-04		PA003-05
	6		PA003-06
AMDAHL	M0001-02		PA003-07
	M0001-03		PA003-08
	M0001-04		PA007-01
	3		PA009-01
AMDAHL 470/V6	NM001-01		PA010-01
	SC001-01		PA012-01
	TN002-01		13
	TN002-02	BURROUGHS B-6800	MI001-01
	VA012-01		1
	VA013-01	BURROUGHS B-6805	PA013-01
	WI002-01		1
	WI002-02	BURROUGHS B-6900	DE002-01
	WI003-01		1
	WI004-01	BURROUGHS B-7700	DE001-01
	WV001-01		MI002-01
	11		2
AMDAHL 470/V8	UT001-01	CDC CYBER	IL009-01
	WA008-01		MN004-01
	2		WA001-02
APPLE II	IL006-01		WA007-04
	IL006-02		4
	IL007-01	CDC CYBER 170/720	CO001-01
	IL007-02		CO002-01
	IL007-03		OR001-01
	IL007-04		3
	MD001-01	CDC CYBER 174	IL008-01
	MD001-02		1
	MD001-03	CDC CYBER 175	IL003-01
	NJ006-01		IL005-01
	OK004-01		IL008-01
	PA008-01		MA001-01
	PA008-02		MA004-01
	PA008-03		5
	PA008-04	CDC CYBER 194	IL006-01
	PA010-01		IL006-02
	WI001-01		IL007-01
	WI009-01		IL007-02
	WI009-02		IL007-03
	WI010-01		IL007-04
	20		6
ATLAS 8000-SD	OR009-01	CDC CYBER 195	IL006-01
	1		IL006-02
BURROUGHS B-20	CT003-01		IL007-01
	PA002-01		IL007-02
	PA003-01		IL007-03
	PA003-02		IL007-04
	PA003-03		6
	PA003-04	CDC CYBER 6400	CO001-01
	PA003-05		1
	PA003-06	CDC CYBER 720	CA001-01
	PA003-07		CA001-02
	PA003-08		CA001-03
	10		CO003-01
BURROUGHS B-22	PA009-01		4
	1		

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<u>COMPUTER(S)</u>	<u>CODE</u>	<u>COMPUTER(S)</u>	<u>CODE</u>
CDC CYBER 760	FLO02-01	DEC VAX 11/780	AK001-01
	1		IN001-01
CDC CYBER 7600	NJO02-01		IN001-02
	NJO02-02		3
	2	DEC VAX 11/70	IL008-01
COMMODORE	AK001-01		1
	1	DG C/300	LA003-01
COMPUPRO SYSTEM 8/16	NJO01-01		1
	1	DG ECLIPSE MV4000	AK002-01
CONVERGENT TECHNOLOG	CA004-01		AK002-02
	1		AK002-03
CORONA PC-HD	MT002-01		SC001-01
	1		4
CPT 6100	AK001-01	DG ECLIPSE MV8000	AK001-01
	1		KS002-01
CPT 8100	AK001-01		KS005-01
	1		KS005-02
DEANZA	NJO10-01		KS006-01
	1		KS007-01
DEC 10	DE001-01		KS008-01
	1		KS008-02
DEC 2020	VT003-01		KS009-01
	1		KS010-01
DEC 2060	VT002-01		KS011-01
	1		KS011-02
DEC LSI 11/03	NC007-01		KS011-03
	NJO10-01		KS011-04
	NMO01-01		KS011-05
	3		KS011-06
DEC PDP 8	MM002-01		KS011-07
	1		KS011-08
DEC PDP 11/23	PA011-01		KS012-01
	1		19
DEC PDP 11/34	ID001-01	DG ECLIPSE MV8000/II	NC007-01
	ID001-02		1
	ID001-03	DG ECLIPSE S/130	LA002-01
	ID001-04		MS001-01
	ID001-05		MS001-02
	ID004-01		MS001-03
	ID005-01		MS001-06
	ID006-01		MS001-08
	IL006-01		PRO01-01
	IL006-02		7
	IL007-02	DG ECLIPSE S/230	NC007-01
	IL007-03		1
	IL007-04	DG ECLIPSE S/250	AK001-01
	14		1
DEC PDP 11/60	NC006-02	DG MICRONOVA MP 200	WI007-01
	NC006-03		WI007-02
	2		WI007-03
DEC PDP 11/70	CA001-01		3
	CA001-02	DG NOVA 4	WA001-03
	CA001-03		1
	CA002-01	DG NOVA II	WA006-01
	CA003-01		1
	DE001-01	ECS 4500	PA003-01
	MT002-01		PA003-02
	7		PA003-03
DEC VAX	MO001-01		PA003-04
	1		PA003-05
DEC VAX 11/750	AL002-01		PA003-06
	NMO02-01		PA003-07
	VA016-01		PA003-08
	WI003-01		8
	4		

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KEY FILE # 7  
(cont.)

COMPUTER(S)	CODE	COMPUTER(S)	CODE
ERDAS	MS002-01	HP 9825T	SD004-01
	MS002-02		1
	2	HP 9835A	OK007-01
ERDAS 400 (CRONEMCO	DE001-01		1
	NY005-01	IBM	AK001-01
	2		CO004-01
EVOLUTION SYSTEMS R-	OR003-01		IN002-01
	1		KY002-01
GOULD SEL SYSTEMS 32	FL001-01		MM005-01
	1		MS003-01
HARRIS S500	ND002-01		NM003-01
	1		OH002-01
HONEYWELL 6/43	ME001-01		OK008-01
	ME001-02		RI002-01
	2		SC002-01
HONEYWELL 610	ME001-01		TN003-01
	ME001-02		WI010-01
	2		WY002-01
HONEYWELL 8/52D	NE001-01		14
	NE001-02	IBM OS6/442 WP	AK001-01
	2		1
HONEYWELL DPS 3/E	KS001-01	IBM OS6/450 WP	AK001-01
	KS003-01		2
	KS006-01	IBM 1130	NJ007-01
	KS009-01		1
	KS011-01	IBM 3031	AK001-01
	KS011-02		LA003-01
	KS011-03		SD002-01
	KS011-04		3
	KS011-05	IBM 3032	AL001-01
	KS011-06		CT001-01
	KS011-07		MO002-01
	KS011-08		MO003-01
	KS012-01		4
	KS015-01	IBM 3033	HIO05-01
	14		ID001-01
HONEYWELL Level 6 Mi	CT003-01		ID001-02
	NY001-01		ID001-03
	NY002-01		ID001-04
	NY003-01		ID001-05
	NY004-01		ID002-01
	5		ID002-02
HONEYWELL Level 6B	PR002-01		ID003-01
	1		ID004-01
HP	MA002-01		ID006-01
	MA003-01		KS014-01
	MD002-01		KS014-02
	MI003-01		KS014-03
	ND003-01		KS014-04
	OR010-01		KS014-05
	6		KS014-06
HP 250	AK011-01		KS014-07
	1		LA001-01
HP 1000 A600 Mod	VT001-01		MT002-01
	1		NJ001-01
HP 2645A	SD003-01		NJ004-01
	1		NJ005-01
HP 2647A	SD001-01		NJ005-02
	1		NJ010-01
HP 3000 Model 44	AL001-01		OR011-01
	AZ003-01		PA014-01
	FL004-01		SC001-01
	IA001-01		VA010-01
	NN001-01		VA015-01
	5		WA002-01
HP 85	AK001-01		31
	1		



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COMPUTER(S)	CODE	COMPUTER(S)	CODE
IBM 3033N	MT001-01	IBM 370/168	CA002-01
	MT003-01		CA003-01
	MT004-01		CT002-01
	MT005-01		NJ003-01
	MT005-02		4
	5	IBM 4331	PA005-01
IBM 3081	NC002-01		1
	NC003-01	IBM 4341	AK001-01
	NC005-01		FL003-01
	NC006-01		IL005-01
	OK004-01		IL006-01
	OK006-01		IL006-02
	OK007-01		IL007-01
	PA004-01		IL007-02
	WA001-01		IL007-03
	WA001-03		IL007-04
	WA007-01		IL008-01
	WA007-02		ND001-01
	WA007-03		11
	WA007-04	IBM 8100	OK001-01
	14		OK001-02
IBM 3081D	OK001-01		OK001-03
	OK001-02		OK001-04
	OK001-03		OK001-05
	OK001-04		OK001-06
	OK001-05		OK001-07
	OK001-06		7
	OK001-07	IBM 8140B	WI002-01
	OK003-01		WI002-02
	8		2
IBM 3083	NV001-01	IBM Composer	AK001-01
	1		1
IBM 3278	WY001-01	IBM DISPLAYWRITER	AK001-01
	1		1
IBM 3290 with 3299 M	WI001-01	IBM Mainframe	WI002-01
	1		WI002-02
IBM 3300	AK001-01		2
	1	IBM PC	AK001-01
IBM 360	WI001-01		ID001-01
	1		ID001-02
IBM 370/158	HI002-01		ID001-03
	HI002-02		ID001-04
	HI005-01		ID001-05
	NE001-01		IL006-01
	OR002-01		IL006-02
	OR005-01		IL007-01
	OR006-01		IL007-02
	7		IL007-03
IBM 370	CT003-01		IL007-04
	HI004-01		OK005-01
	HI004-02		SC001-01
	IAC02-01		SD001-01
	NJ008-01		WI003-01
	NV001-01		16
	OH001-01	IBM S/23 DATAMASTER	KS013-01
	OR004-01		1
	PRO02-01	IBM S150	SD004-01
	PRO03-01		1
	SD004-01	IBM SERIES/1 MODEL 4	WA001-04
	TN001-01		1
	TN001-02	IBM Word Processor	AK001-01
	VAC05-01		1
	WA001-05		
	WI008-01		
	16		

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<u>COMPUTER(S)</u>	<u>CODE</u>	<u>COMPUTER(S)</u>	<u>CODE</u>
INSAI	IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 6	PRIME 850	MN001-01 MN003-01 VA001-01 VA007-01 VA008-01 VA011-01 6
INTERDATA 7/32	TX001-01 TX001-02 2	TANDY	PA006-01 1
INTERGRAPH	CA002-01 CA003-01 CA005-01 3	TEKTRONIX 40/50	PA010-01 1
LANIER	AK001-01 1	TEKTRONIX 4052	IL009-01 KS004-01 NJ010-01 3
M6629	WY001-01 1	TEKTRONIX 4052A	MI002-01 1
MAGNUSUN	AZ002-01 1	TEKTRONIX 4054	IL009-01 1
MICOM 2001	AK001-01 1	TEKTRONIX 4114	NJ005-01 NJ005-02 2
MICOM 2002	AK001-01 1	TELEVIDEO 806	HI003-01 1
Motorola 68000 on MI	CA001-01 CA001-02 CA001-03 3	TRS Model III	NJ009-01 NJ009-02 2
Nuclear Data - 6620	NCO04-01 1	TRS Model IV	NJ009-01 NJ009-02 2
OSBORNE I	NJ008-01 1	TRS-80 MODEL III	HI004-03 PA006-01 2
PERKIN-ELMER 3220	IA002-01 1	TRS-80 Model 12	NY001-01 NY002-01 NH003-01 3
PERKIN-ELMER 8/32	OK002-01 1	Unidentified mainfra	SD001-01 WI009-01 WI009-02 3
PRIME 150	PRO02-01 1	UNIVAC 1100/21	PA001-01 1
PRIME 2250	WA004-01 1	UNIVAC 1100/62	TX001-01 TX001-02 2
PRIME 400	RI001-01 1	UNIVAC 1100/80	LA002-01 MSG01-01 MS001-02 MS001-03 MS001-04 MS001-05 MS001-06 MS001-07 MS001-08 MS001-09 MS001-10 MS001-11 MS001-12 PRO01-01 WI003-01 WI006-01
PRIME 550	AZ001-01 AZ001-02 AZ001-03 AZ001-04 IA002-01 IL008-01 MD001-01 MD001-02 MD001-03 9		
PRIME 550 II	PRO04-01 WA002-01 2		
PRIME 750	IL005-01 KY001-01 RI001-01 VA002-01 VA009-01 WA004-01 6		

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<u>COMPUTER(S)</u>	<u>CODE</u>
	WI009-01
	WI009-02
	WI010-01
	WI012-01
	20
UNIVAC 1100/82	MD001-01
	MD001-02
	MD001-03
	3
WANG	AK001-01
	1
WANG 2200VP	WA001-05
	1
WANG 2200VS	HI001-01
	HI002-01
	HI002-02
	IL002-01
	4
WANG 25 II	AK001-01
	1
WANG OIS 140-1	AK001-01
	1
WANG SYSTEM 30	AK001-01
	1
WANG VS100	NC001-01
	NC002-01
	2

<u>GIS CAPABILITY</u>	<u>CODE</u>	<u>GIS CAPABILITY</u>	<u>CODE</u>
No	HI003-01	Partial (cont.)	NE001-01
	IL002-01		NJ006-01
	IL008-01		NY001-01
	IL009-01		NY002-01
	KS001-01		NY003-01
	KS014-01		NY004-01
	KS014-02		OR005-01
	KS014-03		PA003-01
	KS014-04		PA003-02
	KS014-05		PA003-03
	KS014-06		PA003-04
	KS014-07		PA003-05
	KS015-01		PA003-06
	MO001-02		PA003-07
	MO001-03		PA003-08
	MO001-04		PA011-01
	NC004-01		RI001-01
	NJ003-01		SD004-01
	NJ004-01		VA015-01
	NJ007-01		VT001-01
	NJ009-01		VT002-01
	NJ009-02		WA002-01
	OK001-01		WY001-01
	OK001-02		40
	OK001-03	Yes	AK001-01
	OK001-04		AK002-01
	OK001-05		AK002-02
	OK001-06		AK002-03
	OK001-07		AL001-01
	OK006-01		AL002-01
	OK007-01		AZ001-01
	PA006-01		AZ001-02
	PA012-01		AZ001-03
	PA013-01		AZ001-04
	PA014-01		AZ003-01
	PR004-01		CA001-01
	VA012-01		CA001-02
	VA013-01		CA001-03
	VT003-01		CA002-01
	WA001-03		CA003-01
	WA005-01		CA004-01
	WI002-01		CO001-01
	WI002-02		CO002-01
	WI003-01		DE001-01
	WI004-01		FL001-01
	45		FL002-01
Partial	AZ002-01		ID002-01
	DE002-01		ID002-02
	FL004-01		IL005-01
	HI001-01		IL006-01
	HI002-01		IL006-02
	HI002-02		IL007-01
	ID001-01		IL007-02
	ID001-02		IL007-03
	ID001-03		IL007-04
	ID001-04		IN001-01
	ID001-05		IN001-02
	IL003-01		KS002-01
	KS004-01		KS003-01
	NC002-01		KS005-02
	NC006-01		KS006-01
	NC006-02		KS007-01
	NC006-03		KS008-01

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GIS CAPABILITY

CODE

Yes (cont.)

KS008-02  
KS009-01  
KS011-01  
KS011-02  
KS011-03  
KS011-04  
KS011-05  
KS011-06  
KS011-07  
KS011-08  
KS012-01  
KS013-01  
KY001-01  
LA001-01  
MD001-01  
MD001-02  
MD001-03  
ME001-01  
ME001-02  
MI002-01  
MN001-01  
MO001-01  
MS001-01  
MS001-02  
MS001-03  
MS002-01  
MS002-02  
NC001-01  
NC003-01  
NC005-01  
NC007-01  
NC008-01  
NJ002-01  
NJ002-02  
NJ005-01  
NJ005-02  
NJ008-01

GIS CAPABILITY

CODE

Yes (cont.)

NJ010-01  
NM001-01  
NM002-01  
NV001-01  
NY005-01  
OH001-01  
OK002-01  
OK003-01  
OK004-01  
OR001-01  
OR003-01  
PA002-01  
PA004-01  
PA007-01  
PA009-01  
PA010-01  
PRO01-01  
PRO03-01  
SC001-01  
SD001-01  
SD002-01  
SD003-01  
TX001-01  
TX001-02  
VA002-01  
VA005-01  
VA008-01  
VA010-01  
VA016-01  
WA001-01  
WA001-04  
WA004-01  
WA006-01  
WI001-01  
WI008-01  
WV001-01  
112

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<u>LANGUAGE(S)</u>	<u>CODE</u>	<u>LANGUAGE(S)</u>	<u>CODE</u>
ALGOL	PA002-01	Assembler	PR001-01
	PA003-01	(cont.)	RI001-01
	PA003-02		SC001-01
	PA003-03		SD004-01
	PA003-04		VA007-01
	PA003-05		VT001-01
	PA003-06		WA002-01
	PA003-07		WI002-01
	PA003-08		WI002-02
	PA009-01		WI008-01
	PA012-01		55
	11	BASIC	CA001-01
APL	CO001-01		CA001-02
	NJO10-01		CA001-03
	2		CO001-01
Assembler	CA002-01		HI002-01
	CA004-01		HI002-02
	CO001-01		HI004-03
	DE001-01		IL002-01
	FL003-01		IL006-01
	ID001-01		IL006-02
	ID001-02		IL007-01
	ID001-03		IL007-02
	ID001-04		IL007-03
	ID001-05		IL007-04
	ID004-01		IL009-01
	IL006-01		KS002-01
	IL006-02		KS009-01
	IL007-01		KS012-01
	IL007-02		KS013-01
	IL007-03		KY001-01
	IL007-04		LA001-01
	KS002-01		MT004-01
	KS002-01		NC004-01
	KS009-01		NJO06-01
	KS012-01		NJO08-01
	KY001-01		NJO09-01
	LA001-01		NJO09-02
	LA002-01		OK004-01
	MS001-01		OR003-01
	MS001-02		OR009-01
	MS001-03		PA003-01
	MS001-04		PA003-02
	MS001-05		PA003-03
	MS001-06		PA003-04
	MS001-07		PA003-05
	MS001-08		PA003-06
	MS001-09		PA003-07
	MS001-10		PA003-08
	MT004-01		PA006-01
	NC007-01		PA011-01
	NJO10-01		PA012-01
	NMO02-01		SC001-01
	OK002-01		SD004-01
	OK004-01		VT001-01
	OR002-01		VT003-01
	PA003-02		WA001-05
	PA008-01		WA002-01
	PA008-02		WI003-01
	PA008-03		WI006-01
	PA008-04		49

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<u>LANGUAGE(S)</u>	<u>CODE</u>	<u>LANGUAGE(S)</u>	<u>CODE</u>
BASIC APPLESOFT	PA008-01	FORTRAN	AK001-01
	PA008-02		AK002-01
	PA008-03		AK002-02
	PA008-04		AK002-03
	4		AL002-01
C	SD004-01		AZ001-01
	1		AZ001-02
COBOL	AK001-01		AZ001-03
	AZ002-01		AZ001-04
	CA001-01		CA002-01
	CA001-02		CA004-01
	CA001-03		CO001-01
	CO001-01		CT003-01
	CT003-01		DE001-01
	FL003-01		FL001-01
	HI002-01		ID001-01
	HI002-02		ID001-02
	ME001-01		ID001-03
	ME001-02		ID001-04
	MT004-01		ID001-05
	NCO01-01		ID004-01
	NCO06-02		IL005-01
	NCO06-03		IL006-01
	NCO08-01		IL006-02
	OR002-01		IL007-01
	OR005-01		IL007-02
	PA002-01		IL007-03
	PA003-01		IL007-04
	PA003-03		KS009-01
	PA003-04		KS012-01
	PA003-05		KY001-01
	PA003-06		LA001-01
	PA003-07		LAG02-01
	PA003-08		ME001-01
	PA005-01		ME001-02
	PA006-01		MO003-01
	PA009-01		MS001-01
	PA012-01		MS001-02
	PA013-01		MS001-03
	VA003-01		MS001-04
	VA003-03		MS001-05
	VA003-04		MS001-06
	VA007-01		MS001-07
	VT003-01		MS001-08
	WA001-04		MS001-09
	WI002-01		MS001-10
	WI002-02		MT004-01
	WI008-01		NCO04-01
	40		NC006-02
COMPASS	CO001-01		NC006-03
	1		NC007-01
CPL	AZ001-01		NE001-01
	AZ001-02		NJ006-01
	AZ001-03		NJ010-01
	AZ001-04		NMO02-01
	KY001-01		NY005-01
	5		OK002-01
DMS	FL003-01		OK004-01
	1		OR002-01
EDX	WA001-04		OR005-01
	1		OR009-01
ENGLISH	OR003-01		PA002-01
	1		PA003-01
			PA003-02

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<u>LANGUAGE(S)</u>	<u>CODE</u>
FORTRAN (cont.)	PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA005-01 PA009-01 PA012-01 PA013-01 PR001-01 RI001-01 SC001-01 SD004-01 VA007-01 VA009-01 VT001-01 VT003-01 WA001-03 WA001-04 WA002-01 WA004-01 WI002-01 WI002-02 WI006-01 WI008-01 89
FORTRAN 5	KS002-01 1
FORTRAN 77	IA002-01 KS002-01 ND002-01 VA007-01 4
FORTRAN IV	AZ002-01 MI002-01 WI007-01 WI007-02 WI007-03 5
LISP	CO001-01 1
PASCAL	CO001-01 LA001-01 NJ006-01 PA006-01 VA007-01 VA009-01 WI003-01 7
PL/I	MT004-01 NE001-01 OH001-01 PA005-01 RI001-01 VA007-01 VA011-01 7
RATFOR	KS002-01 1
RPG	FL003-01 VA007-01 2
SNOBOL	CO001-01 1



<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>	<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
ARC	WA004-01	DATATRIEVE	AL002-01
	1		1
ARC/INFO (ESRI)	IL005-01	DB Master	PA008-01
	1		PA008-02
ARVOL	KY001-01		PA008-03
	1		PA008-04
AUTOMAP	AL001-01		4
	1	DBASE II	HI003-01
BGS RIM	AK002-01		NY005-01
	AK002-02		PA008-01
	AK002-03		PA008-02
	3		PA008-03
BIOMED	TX001-01		PA008-04
	1		SD004-01
BLPRINTMCS	PA012-01		7
	1	DGRAPH	NY005-01
BMDP	RI001-01		1
	1	DINEMAP	SC001-01
BMD SPSS	MT004-01		1
	1	DISPPLA	TX001-01
BQL	WI002-01		1
	WI002-02	DMRS - Intergraph In	MI002-01
	2		1
BRADS - IBM	KS013-01	DMS	FL003-01
	1		1
BURROUGHS DMS II	PA012-01	DMS II	PA002-01
	1		PA013-01
CALCOMP Routines	CO001-01		2
	MI002-01	DNR Geoprocessing So	AK001-01
	NC006-02		1
	NC006-03	DTAP	AZ001-01
	SC001-01		AZ001-02
	4		AZ001-03
CALFORM	SC001-01		AZ001-04
	TX001-01		4
	2	ELAS	AL001-01
CCSI-Plot	AZ001-01		AZ001-01
	AZ001-02		AZ001-02
	AZ001-03		AZ001-03
	AZ001-04		AZ001-04
	4		FL001-01
CENSPAC	TX001-01		IA002-01
	1		IL005-01
CICS	OR002-01		KY001-01
	1		MO001-01
COLORMAP	KS009-01		NM002-01
	KS012-01		OK002-01
	2		RI001-01
COMARC Planning Info	AK001-01		SC001-01
	1		14
COMPIS (Comark's)	NC007-01	ELLTAB	TX001-02
	1		1
CONTOURING	AL002-01	ELS (Environmental L	KY001-01
	1		1
COORD (Coordinate Co	KY001-01	EMAIL	OR002-01
	1		1
CPS-1	TX001-01	EPPL (Environmental	MN001-01
	1		1
DAM Package	TX001-02	ERDAS software	DE001-01
	1		NY005-01
DATASTAT	LA001-01		2
	1		

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<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>	<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
ESRI GRID/GRIPS	AK001-01 AK002-01 AK002-02 AK002-03 AL001-01 KY001-01 SC001-01 7	ILLIMAP	IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 5
ESRI/GIS	AZ001-01 AZ001-02 AZ001-03 AZ001-04 4	IMAGE/1000	VT001-01 1
FMPS	TX001-01 1	INSL	CO001-01 VA007-01 WI002-01 WI002-02 4
FOCUS	OR002-01 1	INFO	WA004-01 1
FORMS Management Sys	AL002-01 1	INFORMAP	AK001-01 AZ001-01 AZ001-02 AZ001-03 AZ001-04 IL005-01 KY001-01 7
FWS/MANAGE	CO001-01 1	INFOS II	KS009-01 KS012-01 2
GEMCOS	PA012-01 1	INFOSTAT	LA001-01 1
GEOTAB	IA002-01 1	Image processing sof	NC001-01 1
GIMMAP	KS002-01 KS006-01 KS007-01 KS008-01 KS008-02 KS009-01 KS010-01 KS011-01 KS011-02 KS011-03 KS011-04 KS011-05 KS011-06 KS011-07 KS011-08 KS012-01 16	KOALA (log interpret	KS009-01 KS012-01 2
GIMMS	SC001-01 1	LARSYS	TX001-02 1
GRDCON (Coordinate C	KY001-01 1	LIMAP	AZ001-01 AZ001-02 AZ001-03 AZ001-04 4
GRIPSHIFT	KY001-01 1	LOTUS 1-2-3	WI003-01 1
HISARS	NE001-01 1	MARK IV	WI002-01 WI002-02 2
HOMERANGE	WA002-01 1	MATH-PACK	TX001-01 1
HYDROLOGY	WI003-01 1	MINITAB	CO001-01 IL005-01 KY001-01 3
IDMS	MT004-01 1	MOSS	AK001-01 WA002-01 2
IGL	PA013-01 1	MULTIPLAN	NY005-01 1
IGS	TX001-02 1	MUSE (word processin	IL005-01 1
		MIZAR PACKAGE	CA001-01 CA001-02 CA001-03 3

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<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>	<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
NCAR	RI001-01	SPSS-X (stat. pkg.)	KS009-01
	SC001-01		KS012-01
	2		2
NTI OMNIWORD	OR002-01	STAT-PACK	TX001-01
	1		1
OGIRS	OK002-01	STATZ	VT003-01
	1		1
PLOT 10	LA001-01	SUPERCALC	NJ008-01
	1		1
PRIME OAS	WA002-01	SURFACE II	AK001-01
	1		IA002-01
PRIME-DPTX	WA002-01		KS002-01
	1		KS006-01
PROFILE	NJ009-01		KS007-01
	NJ009-02		KS008-01
	2		KS008-02
QUICK FILE IIe	NJ006-01		KS010-01
	1		KS011-01
RAIN (user software)	PA011-01		KS011-02
	1		KS011-03
REPORTSTAR	LA001-01		KS011-04
	1		KS011-05
SAGIS software (GIS)	CO001-01		KS011-06
	1		KS011-07
SAS	FL003-01		KS011-08
	HI002-01		SC001-01
	HI002-02		VA007-01
	LA001-01		18
	MO001-02	SYMAP	PA012-01
	MO001-03		PA013-01
	MO001-04		SC001-01
	RI001-01		TX001-01
	SC001-01		4
	SD004-01	SYSTEM 511	ID001-01
	VA003-01		ID001-02
	VA003-02		ID001-03
	VA003-04		ID001-04
	VA006-01		ID001-05
	WI002-01		ID004-01
	WI002-02		6
	16	Suitability modellin	MS001-01
SIR	VA007-01		MS001-02
	1		MS001-03
SPIRES	MO002-01		PRO01-01
	1		4
SPSS	AZ002-01	TEKTRONIX IGL	AK002-01
	CO001-01		AK002-02
	HI002-01		AK002-03
	HI002-02		AZ001-01
	OR002-01		AZ001-02
	PA002-01		AZ001-03
	PA003-01		AZ001-04
	PA003-02		PA012-01
	PA003-03		8
	PA003-04	TEKTRONIX PLOT 10	PA002-01
	PA003-05		PA003-01
	PA003-06		PA003-02
	PA003-07		PA003-03
	PA003-08		PA003-04
	PA012-01		PA003-05
	PA013-01		PA003-06
	SC001-01		PA003-07
	VA007-01		PA003-08
	VA009-01		9
	19		

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<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
TEKTRONIX PLOT 50	IL009-01 1
TELEMETRY MONITOR	WA001-03 1
TNRIMS	TX001-01 1
TNRIS Monitor	TX001-01 1
TNRIS Request Accoun	TX001-01 1
TSO	OR002-01 1
USC	SC001-01 1
VECTRIX	RI001-01 1
VERSATEC Plot Packag	OK002-01 1
VICAR/IBIS	AZ002-01 ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 OR001-01 7
VISICALC IIe	NJ005-01 NJ009-01 NJ009-02 3
VOLUMETRICS	AL002-01 1
WIPS (Weather Image	OK002-01 1
WORDSTAR	NJ008-01 1
Z-Chart	OR005-01 1
ZETA	RI001-01 1
ZPLOT	MT004-01 1

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Abandoned mine lands	KY001-01 PA007-01 PA009-01 3	Climate/weather	CT002-01 IL001-01 IL005-01 IN001-01 KS001-01 MN002-01 MO003-01 MS001-03 NC007-01 NE001-01 OK002-01 OK004-01 PA011-01 PR001-01 PR002-01 SC001-01 SD001-01 VA004-01 VA005-01 VA016-01 WA001-03 21
Agriculture	AZ002-01 CA001-02 CA003-01 KS001-01 MN001-01 MS002-02 NE001-01 OH001-01 OK004-01 PR004-01 VT002-01 WI005-01 12		
Algae	KS015-01 1		
Aquatic life	KS015-01 1		
Archaeological sites	CO002-01 IL004-01 2	Coastal resources	HI002-01 NC007-01 2
Base data	AL001-01 ID001-03 ID002-01 KS002-01 KY001-01 LA003-01 MD001-01 MN001-01 MS001-01 MS002-02 NM002-01 NY001-01 OH001-01 TX001-01 14	Control points	AL002-01 1
	TX001-01 1	Cultural resources	CO003-01 HI001-01 KY001-01 MD001-01 MN001-01 VA010-01 6
Biological resources	TX001-01 1	Dams	AK001-01 ID004-01 MT004-01 NC007-01 NE001-01 5
Boundaries	AL002-01 AZ001-03 AZ001-04 CA001-01 CA004-01 IL005-01 IL006-01 IL007-04 IN001-01 MI002-01 NC007-01 NJ010-01 PA006-01 RI001-01 SC001-01 UT001-01 VT002-01 WA004-01 WA006-01 19	Demography	IL005-01 IN001-01 KS001-01 MD001-02 MI001-01 MT002-01 NC007-01 NE001-01 NE002-01 NJ005-02 NY001-01 NY005-01 OK002-01 PA005-01 PA006-01 PA009-01 PA018-01 SC001-01 UT001-01 VA013-01 VT002-01 WI001-01 WY001-01 23
Center pivots	NE001-01 1		
City growth	MN001-01 1		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Energy	AK001-01	Floodplains	AL001-01
	CO002-01		MS002-02
	IL005-01		WI003-01
	IL007-01		3
	IL007-02	Forestry	AK001-01
	IL007-03		HI003-01
	IN001-01		ID002-01
	KS001-01		ID002-02
	KS004-01		MN001-01
	KS010-01		NJ007-01
	KS011-03		NJ008-01
	KS011-05		OK005-01
	KS011-06		OR001-01
	KS011-07		OR002-01
	KS011-08		OR004-01
	KY001-01		OR005-01
	NC007-01		OR006-01
	NJ003-01		OR007-01
	NM001-01		PA002-01
	PA006-01		PA003-01
	UT001-01		PA003-02
	21		PA003-04
Environmental qualitt	CT002-01		PA003-05
	IA002-01		PA003-06
	IN001-01		PA003-08
	MA004-01		PR001-01
	ME001-02		WI002-01
	MN002-01		WI002-02
	MN004-01		WI004-01
	MS002-02		WI011-01
	MT003-01		26
	NC001-01	Geologic and land re	TX001-01
	NC004-01		1
	NC006-01	Geology	AK003-01
	NC006-03		CO002-01
	NC007-01		FL002-01
	NC008-01		IA002-01
	ND002-01		IL005-01
	NE001-01		IN001-01
	NJ001-01		IN001-02
	PA006-01		KS002-01
	PA012-01		KS005-01
	PA013-01		KS005-02
	PA016-01		KS006-01
	SD004-01		KS008-01
	VA006-01		KS008-02
	VT003-01		KS009-01
	WA001-03		KS010-01
	WA001-05		KS011-01
	WI008-01		KS011-02
	28		KS011-04
Erosion	MS002-02		LA003-01
	1		MD001-01
Fisheries	HIC04-01		MN001-01
	HIC04-02		NJ004-01
	HIC04-03		NM002-01
	KS014-01		OH001-01
	KS014-02		OK002-01
	OR003-01		OR008-01
	VA001-01		PA006-01
	VA008-01		PA008-01
	WA007-02		PA008-02
	WA007-03		PA008-03
	WA007-04		
	11		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Geology (cont.)	PA008-04 PA010-01 PA015-01 PR003-01 SC001-01 SD002-01 UT001-01 WA001-02 WI006-01 39	Land cover	AZ001-01 DE001-01 FL001-01 IN001-01 IN001-02 KS001-01 KY001-01 MD001-01 MS001-01 NC007-01 NJ010-01 NY005-01 OK002-01 PA006-01 PR001-01 PR003-01 WA004-01 17
GLO Survey	WA004-01 1	Land management	AK001-01 1
Groundwater	AK001-01 DE002-01 ID001-02 IL005-01 IL008-01 IN001-01 KS001-01 KS007-01 KS009-01 LA001-01 MN003-01 MS001-01 MT003-01 NE001-01 NJ002-01 NJ002-02 NJ009-01 NJ009-02 NJ009-03 NM001-01 OK003-01 OH001-01 OR008-01 OR011-01 PA009-01 PA010-01 TN001-01 TN001-02 VA003-01 VA003-02 VA003-03 VA003-04 VA015-01 VT001-01 WA001-04 35	Land records	AK003-01 MN001-01 2
		Land resources	MI002-01 MS002-02 2
		Land use	AK003-01 LA003-01 MS002-02 PR003-01 VA016-01 WA004-01 WA006-01 WI007-02 WI008-01 9
		Land use areas	NY005-01 1
		Land use/land cover	AL001-01 AL002-01 CA001-01 CA004-01 CO002-01 DE001-01 FL003-01 FL004-01 HI002-02 ID001-01 IL005-01 MI002-01 MN001-01 MS001-01 MS002-02 NC007-01 NE001-01 NY005-01 OH001-01 OR004-01 PA005-01 PA006-01 PR001-01 RI001-01 SC001-01 WA001-01 WA001-02 WA003-01 28
Hazards	CA004-01 1		
Hydrographic data	NE001-01 1		
Infrastructure	AK003-01 KY001-01 VA016-01 3		
Integrated terrain u	KY001-01 1		
Irrigation	MN001-01 1		
Land area	MI001-01 1		
Land assessment	AK001-01 1		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Landscape units	MN001-01		OK001-05
	1		OK001-06
Marine resources	FLO01-01		OK001-07
	VA002-01		OK006-01
	2		OK007-01
Meteorological resou	TX001-01		9
	1	Oil and gas leases	OK001-02
Mineral leases	NM002-01		1
	1	Ownership	AK001-01
Minerals	AK001-01		MN001-01
	MN001-01		NM001-01
	2		NM002-01
Mining	IL006-01		OH001-01
	ND002-01		WI007-03
	NJ004-01		6
	WA003-01	Paleontology	NM001-01
	4		1
National monuments	NM002-01	Phytoplankton	NC006-02
	1		1
Natural areas	IL002-01	Public water	KY001-01
	MO001-04		1
	OH001-01	Rare/threatened/end	KY001-01
	3		1
Natural disasters	IL006-02	Recreation	AK001-01
	MS001-01		KS001-01
	2		MN001-01
Natural diversity ar	TN002-01		NC002-01
	1		NC007-01
Natural diversity el	AR001-01		NJ006-01
	AZ003-01		NM001-01
	CA005-01		OR003-01
	CO004-01		PA003-07
	FL004-01		PA014-01
	IA001-01		PA017-01
	IN002-01		OR012-01
	KY002-01		UT001-01
	MA002-01		VA012-01
	MA003-01		VA016-01
	MD002-01		WV001-01
	MI003-01		16
	MN005-01	Recreation and open	MD001-03
	MO004-01		1
	MS003-01	Regulatory data	NJ005-01
	NC003-01		
	ND003-01	Rural subdivisions	MN001-01
	NM003-01		1
	OH002-01	Scientific areas	WI009-02
	OK008-01		1
	OR010-01	Shellfish	VA007-01
	PA003-03		VA009-01
	RI002-01		2
	SC002-01	Site analysis	MS001-08
	SD003-01		MS001-11
	TN002-02		MS001-12
	TN003-01		3
	VA017-01	Site assessment	MN001-01
	WA005-01		1
	WV001-01	Socio-economic data	CT001-01
	WY002-01		HI005-01
	31		KS003-01
Natural environment	CA004-01		MN001-01
	1		TX001-01
Oil and gas	KS002-01		WA008-01
	KS012-01		WI008-01
	OK001-03		7
	OK001-04		



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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Soils data	AL001-01	Surface water	MT005-02
	CA002-01	(cont.)	NCO07-01
	CG002-01		NE001-01
	IL005-01		NJ002-01
	IN001-01		NJ002-02
	KY001-01		NJ009-02
	LA003-01		OK003-01
	MD001-01		OK004-01
	MN001-01		OR003-01
	MS001-01		OR009-01
	MS001-02		OR011-01
	MS001-03		PA004-01
	MS002-02		PA006-01
	NC005-01		PA009-01
	NCO07-01		PA011-01
	NE001-01		PR001-01
	NJ010-01		PR003-01
	NM001-01		SC001-01
	NM002-01		TN001-01
	NY005-01		VA004-01
	OH001-01		VA005-01
	OK002-01		VA011-01
	OK004-01		VA015-01
	OR004-01		VA016-01
	PA006-01		WA001-04
	SC001-01		WA004-01
	SD004-01		WA007-01
	WA004-01		WI003-01
	WA006-01		WI008-01
	WI008-01		WI010-01
	30		54
State lands	MN001-01	Topography	AK001-01
	MT001-01		AL001-01
	2		AZ001-02
Streamflow data	NE001-01		ID002-01
	1		IN001-01
Streams	IL003-01		IN001-02
	MS001-07		MD001-01
	MS002-02		MN001-01
	UT001-01		MS001-01
	4		MS002-02
Surface water	AK001-01		NC007-01
	AK003-01		OK002-01
	CO001-01		OR001-01
	CO002-01		OR004-01
	DE002-01		PA006-01
	FL004-01		SC001-01
	ID003-01		UT001-01
	IL005-01		VA016-01
	IL009-01		WI012-01
	IN001-01		19
	KS001-01	Transportation	AL001-01
	KS002-01		CA004-01
	KS013-01		MN001-01
	KS015-01		NCO07-01
	KY001-01		NY005-01
	MD001-01		PA005-01
	ME001-01		SC001-01
	MI002-01		VA016-01
	MN001-01		8
	MS001-01	Unique areas	NY005-01
	MS001-10		1
	MS002-02	Urban areas	VA016-01
	MT003-01		1

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Vegetation	AK003-01	Wildlife	AK002-01
	AZ001-01		AK002-02
	DE001-01		AK002-03
	FL004-01		AK003-01
	ID001-04		AL003-01
	IL005-01		AZ003-01
	IN001-01		CO001-01
	LA002-01		CO002-01
	ND001-01		FL004-01
	MO001-03		ID001-05
	MS002-02		IL005-01
	NC003-01		IN001-01
	NC007-01		KS001-01
	NM001-01		KS014-03
	NM002-01		KS014-04
	NY002-01		KS014-05
	UT001-01		KS014-06
	WA004-01		KS014-07
	WI009-01		MA001-01
	WV001-01		MD001-01
	WY001-01		MO001-01
	21		MO001-02
Vegetation water use	CA001-03		MO001-03
	1		MO002-01
Water resources	TX001-01		MS001-04
	1		MS001-05
Water rights	AK001-01		MS001-06
	ID006-01		MS001-09
	2		MS002-02
Water use	CT003-01		NC003-01
	ID005-01		NC007-01
	ND001-01		NM001-01
	PA009-01		NM002-01
	4		NV001-01
Wells	NE001-01		NY001-01
	OK001-01		NY002-01
	2		NY004-01
Wetlands	MN001-01		OR001-01
	NY003-01		PA001-01
	VA016-01		PA009-01
	WI007-01		UT001-01
	4		WA002-01
Wilderness	UT001-01		WI009-01
	1		WV001-01
			WY001-01
			45

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
Ad hoc grid	AK002-01 AK002-03 AZ002-01 CO001-01 IN001-01 IN001-02 MS001-01 NJ008-01 OK002-01 OK004-01 OR002-01 PR001-01 WA004-01 13	County (cont.)	NC008-01 ND001-01 NE001-01 NE002-01 NV001-01 NY003-01 OK001-04 OK004-01 OK006-01 PA001-01 PA002-01 PA003-01 PA003-02 PA003-03 PA003-05 PA003-06 PA003-07 PA003-08 PA010-01 PA012-01 PA018-01 TN001-01 TN001-02 VA003-01 VA003-03 VA003-04 VA093-04 WI004-01 WI009-01 WI010-01 WI012-01 WV001-01 59
Aquifer	DE002-01 MN003-01 2		NE001-01 1
API number	KS011-08 1	Crop reporting distr	1
Basin	TN001-01 1	Distance from local	KS015-01 1
Between stream gages	ID003-01 1	Drainage basin	ID004-01 MT003-01 ND001-01 WI009-01 4
Census tract	NY001-01 PA018-01 2	EPA reach	IL003-01 1
City	MI001-01 PA003-06 PA003-07 3	Ecoregion	PA001-01 1
Civil jurisdictions	WI001-01 1	Evaporative demand z	CA001-03 1
Climatological Data	NE001-01 1	Extension area	NE001-01 1
Community	WI003-01 1	Facility identifier	NJ001-01 1
County	CA001-01 CO003-01 FL001-01 FL002-01 FL004-01 IL002-01 IL006-02 KS001-01 KS005-02 KS011-03 KS011-04 KS011-07 KS014-03 KS014-05 KS014-06 KS014-07 KS015-01 MA001-01 MI001-01 MO001-03 MS001-02 MT001-01 MT002-01 MT003-01 MT004-01 NC001-01 NC005-01	Field	KS011-03 KS011-07 2
		Forest District	PA002-01 PA003-01 PA003-04 PA003-05 4
		Forest Pest Locator	PA002-01 1
		Formation	KS005-02 1

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
Forty-acre parcel	MN001-01
	1
Gaging station	NE001-01
	1
Game Management Unit	CO001-01
	1
Geographic Unit	PA003-01
	1
Hydrologic Unit	PA001-01
	1
Lake	IL009-01
	1
Latitude/longitude	AK002-02
	AZ001-02
	AZ003-01
	CA004-01
	CO001-01
	CO002-01
	DE002-01
	FL001-01
	FL002-01
	FL003-01
	FL004-01
	ID001-03
	IL005-01
	IL006-01
	IL008-01
	IN001-01
	IN001-02
	KS002-01
	KS004-01
	KS006-01
	KS008-01
	KS009-01
	KY001-01
	LA001-01
	MS001-03
	MT003-01
	NC003-01
	NC006-01
	NC006-02
	NC006-03
	NC007-01
	NE001-01
	NJ001-01
	NJ002-01
	NJ002-02
	NJ004-01
	NJ007-01
	NJ009-02
	NJ009-03
	NM001-01
	NM002-01
	OK004-01
	OR001-01
	OR008-01
	OR009-01
	PA001-01
	PA002-01
	PA003-03
	PA004-01
	PA006-01
	PA007-01

<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
Latitude/longitude	PA008-01
(cont.)	PA008-03
	PA008-04
	PA009-01
	PA010-01
	PA011-01
	SD001-01
	SD002-01
	SD003-01
	TN001-02
	VA001-01
	VA002-01
	VA003-01
	VA003-02
	VA003-03
	VA003-04
	VA004-01
	VA006-01
	VA008-01
	VA011-01
	VA015-01
	VT001-01
	WA001-05
	WA002-01
	WA004-01
	WA005-01
	WV001-01
	78
Lease	OK006-01
	1
Locality	VA012-01
	1
Local political subd	MT001-01
	1
Location block based	VA005-01
	1
Management area	NV001-01
	1
Management compartme	PA003-04
	1
Manpower district	KS001-01
	1
Modified Grid Coordi	DE002-01
	1
Municipality	NE001-01
	NJ005-02
	NY005-01
	PA009-01
	PA012-01
	PA018-01
	6
NJ Rectangular Coord	NJ009-01
	1
Natural Resource dis	NE001-01
	1
New York Transverse	NY001-01
	NY002-01
	NY003-01
	NY004-01
	4
Not geographically r	ID001-05
	KS008-02
	KS014-04
	NC004-01

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
Not geographically r (cont.)	NJ003-01 OK005-01 PA006-01 PA008-02 PA013-01 PA014-01 WV001-01 11	Public Land Survey (cont.)	MT004-01 ND001-01 NE001-01 NM001-01 OK001-01 OK001-02 OK003-01 OK007-01 OR003-01 OR004-01 OR005-01 OR006-01 OR007-01 OR008-01 OR009-01 PA010-01 PR004-01 OR011-01 OR012-01 SD002-01 SD003-01 SD004-01 VT002-01 WA001-01 WA001-04 WA002-01 WA004-01 WI002-01 WI002-02 WI003-01 WI004-01 WI005-01 WI009-01 WI010-01 WI012-01 WY001-01 75
Observation well num	VA003-02 1	Reference in area	WI012-01 1
Owner number	VA003-03 1	Region	NC005-01 1
Park District	FL003-01 1	River basin	NE001-01 1
Physiographic provin	FL004-01 WV001-01 2	River Mile	IL003-01 OR009-01 VA008-01 WA001-05 WA007-04 WI003-01 6
Planning region	KS001-01 1	River name	VA007-01 1
Point of diversion	ND001-01 1	Serial number	VA003-03 1
Projected x,y	KS002-01 1	Site sampled	NE001-01 1
Public Land Survey	AK002-02 AZ001-01 AZ001-03 AZ002-01 AZ003-01 CO001-01 CO002-01 CO003-01 FL002-01 FL003-01 FL004-01 HI002-01 HI002-02 ID002-01 ID002-02 ID004-01 IL002-01 IL003-01 IL005-01 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 IL008-01 KS004-01 KS005-01 KS005-02 KS009-01 KS011-01 KS011-02 KS011-08 KS013-01 KS015-01 MO001-02 MO001-04 MT001-01 MT003-01	SMSA level	KS001-01 MT002-01 2
		Specific location an	FE003-01 1

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
State Plane Coordina	AL002-01 CA002-01 CA004-01 CO001-01 ID001-02 IL005-01 KS001-01 MD001-01 MD001-02 MD001-03 MI002-01 NC001-01 NC002-01 NC007-01 NJ005-01 NJ010-01 PA003-06 PA006-01 VA003-01 VA003-02 VA003-03 VA003-04 WA004-01 WA006-01 24	Universal Transverse	AK002-03 AL001-01 AL002-01 AZ001-01 AZ001-03 AZ001-04 CA003-01 CA004-01 CO003-01 FL001-01 HI003-01 ID001-01 ID001-02 ID001-03 ID001-04 IL005-01 KY001-01 ME001-01 ME001-02 MN001-01 MO001-01 MS002-02 NC007-01 NM001-01 NM002-01 NY005-01 OK002-01 OR001-01 PA009-01 PA012-01 PR003-01 RI001-01 SC001-01 VA010-01 VA016-01 WA001-03 WA002-01 WA004-01 38
State Planning Regio	FL003-01 1	Universal x,y coordi	KS002-01 1
Station name	VA007-01 1	Various census geogr	MT002-01 1
Station number	IL003-01 1	Village	MT001-01 NY003-01 2
Stream	PA009-01 1	VIMS Pier	VA002-01 1
Street Address & Zip	IL006-02 1	Water body	KS014-01 KS014-02 2
Town	MA001-01 NY003-01 VT003-01 3	Watershed	FL004-01 PA003-03 WV001-01 3
Township	MI001-01 ND001-01 PA002-01 PA003-03 PA003-05 5	Well location	KS007-01 1
USGS 7 1/2" quadrang	CA001-02 FL004-01 PA001-01 WV001-01 4	Well serial number	VA003-01 VA003-04 2
USGS codes	NC006-02 NC006-03 2	Zip code	PA003-06 PA003-07 2
USGS quadrangle	IL002-01 OH001-01 PA003-03 PA003-05 4		
UTM Zone designator	PA012-01 1		

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DATA SOURCESCODE

## Primary

AK002-02  
AL002-01  
AZ001-01  
AZ001-02  
AZ002-01  
CA001-01  
CA001-02  
CA001-03  
CT002-01  
FL001-01  
FL002-01  
IA001-01  
ID001-02  
ID001-04  
ID002-01  
ID002-02  
ID004-01  
IL004-01  
IL005-01  
IL006-01  
IL007-02  
IL007-03  
IL007-04  
IL009-01  
IN001-01  
IN001-02  
KS002-01  
KS005-02  
KS006-01  
KS007-01  
KS008-01  
KS008-02  
KS009-01  
KS011-01  
KS011-04  
KS014-01  
KS014-02  
KS014-03  
KS014-04  
KS014-05  
KS014-06  
KS014-07  
KS015-01  
KY001-01  
MD001-01  
MD001-03  
MT002-01  
MO001-02  
MO001-04  
MS001-01  
MT003-01  
NC001-01  
NC004-01  
NC006-01  
NC006-02  
NC006-03  
ND001-01  
ND002-01  
NJ005-01  
NJ006-01

DATA SOURCESCODE

## Primary (cont.)

NJ007-01  
NJ008-01  
NJ009-01  
NJ009-02  
NJ010-01  
NV001-01  
NY003-01  
NY004-01  
NY005-01  
OH001-01  
OK001-01  
OK001-02  
OK001-03  
OK001-04  
OK001-05  
OK001-06  
OK001-07  
OK002-01  
OK003-01  
OK005-01  
OR001-01  
OR004-01  
OR005-01  
OR006-01  
OR007-01  
OR009-01  
PA002-01  
PA003-01  
PA003-02  
PA003-04  
PA003-06  
PA003-07  
PA004-01  
PA008-01  
PA008-03  
PA008-04  
PA009-01  
PA011-01  
PA012-01  
PR001-01  
100

## Primary and secondary

AK002-03  
AL002-01  
AZ003-01  
CA003-01  
CA004-01  
CO001-01  
DE002-01  
FL001-01  
FL003-01  
FL004-01  
HI002-01  
HI002-02  
HI003-01  
ID001-01  
ID001-05  
ID003-01  
ID005-01  
IL002-01  
IL003-01

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DATA SOURCES

CODE

Primary and secondary  
(cont.)

IL005-01  
IL006-02  
IL008-01  
IN001-01  
KS003-01  
KS004-01  
KS012-01  
KS013-01  
KY001-01  
LA001-01  
MA001-01  
MD001-01  
MD002-01  
ME001-01  
ME001-02  
MI001-01  
MI002-01  
NN003-01  
NQ001-01  
NS001-01  
NT003-01  
NC003-01  
NC005-01  
NC008-01  
NJ001-01  
NJ003-01  
NJ004-01  
NM001-01  
NM002-01  
NY001-01  
NY002-01  
OR001-01  
OR001-01  
OR002-01  
OR003-01  
OR008-01  
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PA003-03  
PA003-05  
PA003-08  
PA006-01  
PA007-01  
PA008-02  
PA009-01  
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PA013-01  
PA014-01  
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ORI11-01  
SC001-01  
SD001-01  
SD002-01  
SD003-01  
SD004-01  
TN001-01  
TN001-02  
VA001-01  
VA002-01

DATA SOURCES

CODE

Primary and secondary  
(cont.)

VA003-01  
VA003-02  
VA003-03  
VA003-04  
VA004-01  
VA006-01  
VA007-01  
VA008-01  
VA009-01  
VA010-01  
VA011-01  
VA012-01  
VA013-01  
VA015-01  
VA016-01  
VT001-01  
VT002-01  
VT003-01  
WA001-03  
WA001-04  
WA001-05  
WA002-01  
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WA004-01  
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WA006-01  
WI002-01  
WI002-02  
WI003-01  
WI005-01  
WI009-01  
WI011-01  
WV001-01  
WY001-01  
113  
AK002-01  
AL002-01  
AZ001-03  
AZ001-04  
CA002-01  
CO002-01  
CO003-01  
CT001-01  
ID001-03  
IL005-01  
IL007-01  
IN001-01  
IN001-02  
KS001-01  
KS002-01  
KS011-02  
KS011-03  
KS011-05  
KS011-06  
KS011-07  
KS011-08  
KY001-01  
MD001-01  
MD001-02  
NN001-01

Secondary



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DATA SOURCES

CODE

Secondary (cont.).

MO001-03  
MS001-01  
MS001-02  
MS001-03  
MS002-02  
MT002-01  
MT004-01  
NC002-01  
NC007-01  
NE001-01  
NE002-01  
NJ002-01  
NJ002-02  
NJ005-02  
NJ010-01  
NM001-01  
NM002-01  
NY001-01  
NY005-01  
OK002-01  
OK004-01  
OK006-01  
OK007-01  
OR012-01  
PA006-01  
PA009-01  
PA018-01  
PR001-01  
PR002-01  
RI001-01  
SC001-01  
VA005-01  
WA001-01  
WA001-02  
WI001-01  
WI004-01  
WI007-03  
WI012-01  
63

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<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>	<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>
High	AL002-01	High (cont.)	OK006-01
	AZ001-03		OK007-01
	AZ001-04		OR003-01
	AZ002-01		OR005-01
	AZ003-01		OR009-01
	CA001-01		OR011-01
	CA001-02		PA001-01
	CA003-01		PA003-02
	FL004-01		PA003-03
	HI002-01		PA003-04
	HI002-02		PA003-05
	ID001-01		PA003-06
	ID002-01		PA003-07
	IL002-01		PA008-01
	IL003-01		PA011-01
	IL004-01		PA013-01
	IL005-01		PRO01-01
	IL007-01		PRO02-01
	IL007-03		PRO03-01
	IL007-04		PRO04-01
	IL009-01		SD001-01
	IN001-01		SD003-01
	IN001-02		SD004-01
	KS001-01		VA001-01
	KS005-02		VA002-01
	KS006-01		VA007-01
	KS009-01		VA010-01
	KS011-01		VT003-01
	KS011-02		WA001-03
	KS011-06		WA001-05
	KS015-01		WA003-01
	KY001-01		WI004-01
	LA001-01		WI005-01
	MD001-01		WV001-01
	MD001-02		WY001-01
	MD001-03		97
	MI001-01	High to low	PA003-01
	MI002-01		WA004-01
	MS001-01		2
	MS001-02	High to moderate	FL001-01
	MT002-01		FL002-01
	MT003-01		KS004-01
	NC001-01		KS013-01
	NC003-01		MA001-01
	NC006-02		MD001-01
	NC006-03		MI002-01
	NC007-01		MS001-01
	NC008-01		MT003-01
	NE001-01		OR001-01
	NE002-01		PA002-01
	NJ005-02		PA009-01
	NM001-01		WV001-01
	NM002-01		13
	NV001-01	Low	FL001-01
	NY001-01		KS014-05
	NY004-01		KS014-06
	NY005-01		NC007-01
	OH001-01		NE001-01
	OK001-03		NM002-01
	OK001-04		PA009-01
	OK001-05		PRO01-01
	OK001-06		8

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<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>	<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>
Moderate	AK002-01	Moderate (cont.)	OR004-01
	AK002-02		OR006-01
	AK002-03		OR007-01
	AZ001-01		OR008-01
	AZ001-02		PA003-08
	CA002-01		PA004-01
	CA004-01		PA006-01
	CO002-01		PA007-01
	CO003-01		PA008-02
	DE002-01		PA008-04
	FL001-01		PA009-01
	ID002-02		PA010-01
	ID003-01		PA012-01
	ID004-01		PRO01-01
	IL005-01		SC001-01
	IL007-02		SD002-01
	KS012-01		SD004-01
	KS014-01		VA008-01
	KS014-02		VT001-01
	KS014-03		VT002-01
	KS014-04		WA001-01
	KS014-07		WA001-02
	KY001-01		WA001-04
	MD001-01		WA002-01
	ME001-01		WA005-01
	ME001-02		WA006-01
	MI001-01		WI001-01
	MS001-01		WI003-01
	MS001-03		84
	MT002-01	Moderate to low	IL008-01
	MT003-01		NJ006-01
	MT004-01		2
	NC002-01	Under evaluation	ID001-04
	NC004-01		1
	NC005-01	Unknown	HI003-01
	NC006-01		ID001-02
	NC007-01		ID001-03
	ND001-01		ID001-05
	NE001-01		NY003-01
	NJ001-01		OK004-01
	NJ005-01		PA008-03
	NJ007-01		PA014-01
	NJ008-01		PRO01-01
	NJ009-01		RI001-01
	NJ009-02		TN001-01
	NM001-01		TN001-02
	NM002-01		WI002-01
	NY002-01		WI002-02
	NY005-01		14
	OH001-01	Varies	IN001-01
	OK002-01		NJ004-01
	OK003-01		OR002-01
	OK004-01		VA012-01
	OK005-01		VA015-01
	OR001-01		5
	OR003-01		

Appendix 6  
SUMMARY OF STATE DATA BASES

SUMMARY OF STATE DATA BASES

CODE

**ALABAMA**

Alabama Power Company Statewide Digital Data Base	AL002-01
Department of Conservation and Natural Resources RUN WILD	AL003-01
Department of Economic and Community Affairs Alabama Resource Information System (ARIS)	AL001-01

**ALASKA**

Department of Fish and Game Anadromous Waters Catalog	AK002-02
Habitat Assessment Models	AK002-01
Wildlife Distribution/Human Use	AK002-03
Department of Natural Resources Alaska Land and Resource System (ALARS)	AK001-01
North Slope Borough Assembly NSB Geographic Information System (NSB GIS)	AK003-01

**ARIZONA**

Department of Water Resources Landsat Crop Inventory	AZ002-01
Game and Fish Department Arizona Natural Heritage Program	AZ003-01
State Land Department Arizona Land Resource Information System (ALRIS)	AZ001-04
Arizona Vegetation Inventory	AZ001-01
Digital Topo Database	AZ001-02
Landlines Database	AZ001-03

**ARKANSAS**

Arkansas Natural Heritage Inventory Natural Heritage Inventory Data Base	AR001-01
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## CALIFORNIA

Association of Bay Area Governments (ABAG)	
Bay Area Spatial Information System (BASIS)	CA004-01
California Natural Diversity Program	
Natural Diversity Database	CA005-01
Department of Conservation	
California Statewide Soils Information System	CA002-01
Farmland Mapping and Monitoring Program	CA003-01
Department of Water Resources	
Land Classification	CA001-02
Land Use	CA001-01
Vegetation Water Use Program	CA001-03

## COLORADO

Colorado Historical Society	
Colorado Inventory of Cultural Resources	C0003-01
Colorado Natural Heritage Inventory	
Natural Heritage Inventory Data Base	C0004-01
Department of Natural Resources	
Colorado Resource Information System (CRIS)	C0002-01
Wildlife Resource Information System (WRIS)	C0001-01

## CONNECTICUT

Department of Environmental Protection	
Air Quality Data Handling System	CT002-01
Connecticut Natural Resources Center (NRC)	CT003-01
Office of Policy and Management	
Connecticut Census Data Center	CT001-01

## DELAWARE

Center for Remote Sensing	
Land Use Change	DE001-01
Department of Natural Resources and Environmental Control	
Delaware Water Use Data System	DE002-01

## FLORIDA

Bureau of Geology	
Florida Subsurface Geological Data Base	FL002-01
Department of Natural Resources	
Division of Recreation and Parks Management	
Information System	FL003-01
Marine Resources Geobased Information System (MRGIS)	FL001-01
The Nature Conservancy	
Florida Natural Areas Inventory Data Base	FL004-01

## HAWAII

Department of Land and Natural Resources	
Aquarium Fish Catch	HI004-03
Commercial Fish Catch	HI004-02
Historic Sites Inventory	HI001-01
Marine Fish Transects	HI004-01
"Resource Inventory Information"	HI003-01
Department of Planning and Economic Development	
Coastal Resource Data Base	HI002-01
Economic Planning Information System (EPIS)	HI005-01
Hawaii Planning Activities Support System (H-PASS)	HI002-02

## IDAHO

Department of Lands	
Land Information and Mapping System	ID002-01
Private Land - Forest Protection List	ID002-02
Department of Water Resources	
Cascade Resource Area Vegetation Analysis	ID001-04
Dam Inventory	ID004-01
Idaho Water Use Data System (IWUDS)	ID005-01
IDWR Image Analysis Facility	ID001-01
IDWR Image Analysis Facility/RASA (RASA)	ID001-02
IDWR Image Analysis Facility/Service-Source Areas	ID001-03
IDWR Image Analysis Facility/Wildlife Habitat	ID001-05
Upper Snake River, Idaho History File	ID003-01
Water Rights Data Bank	ID006-01

## ILLINOIS

Department of Conservation	
Illinois Natural Areas Inventory	IL002-01
Illinois Streams Information System (ISIS)	IL003-01
Illinois Environmental Protection Agency	
Ambient Lakes Database	IL009-01
Illinois State Museum	
Illinois Archaeological Sites Data Base	IL004-01
Natural History Survey	
Illinois Lands Unsuitable for Mining Information System	IL005-01
State Geological Survey	
Basic Well Data	IL007-03
Coal Resource and Mining Data Files	IL006-01
ILLIMAP	IL007-04
Landslide Information File	IL006-02
Miners Data Base	IL007-01
Waterflood Oil Production Data Base	IL007-02
State Water Survey	
Ground Water Quality Data Base	IL008-01
Regional Climate Coordinating Office (RCCO)	IL001-01

## INDIANA

Department of Natural Resources	
Indiana Heritage Program	IN002-01
Holcomb Research Institute	
Model Implementation Project Data Base	IN001-01
Planning Region 8 - Eight County Data Base	IN001-02

## IOWA

Conservation Commission	
Iowa Natural Areas Inventory	IA001-01
Geological Survey	
Iowa Water Resources Data System (IWARDS)	IA002-01



## KANSAS

State Biological Survey  
SELGEM KS015-01

Center for Public Affairs  
Kansas Policy Database System (KPDS) KS001-01

Department of Economic Development  
Socio-economic Data Base (not yet named) KS003-01

Fish and Game Commission  
Aquatic Data Analysis System (ADAS) KS014-01  
Creel Census Data KS014-02  
Furbearer Harvest Survey KS014-06  
Hunter Report Cards KS014-03  
Rural Mail Carrier Survey KS014-07  
Small Game Harvest Survey KS014-05  
Waterfowl Chronology System KS014-04

Geological Survey  
ACCESS KS009-01  
Aeromagnetic Survey KS006-01  
Brine Analysis - Kansas KS012-01  
Chemical Analysis of Irrigation Water KS007-01  
Clay Retrieval KS011-01  
Coal Reserves KS004-01  
Core Collections KS005-02  
Gas Production KS011-03  
Geothermal KS008-01  
Intents to Drill KS011-06  
Kansas Data Base KS002-01  
Kansas On-line Automated Log Analysis (KOALA) KS010-01  
Limestone - Physical Properties KS011-02  
Mineral Resources - Chemical Properties KS011-04  
Oil Production KS011-07  
Plugging File KS011-08  
Seismic KS008-02  
Well Completion Forms KS011-05  
Well Samples KS005-01

Southwest Groundwater Management District No. 3  
Southwest Groundwater Management District No. 3 KS013-01

## KENTUCKY

Natural Resources and Environmental Protection Cabinet  
Kentucky Natural Resources Information System (KNRIS) KY001-01

Nature Preserves Commission  
Kentucky Heritage Program KY002-01

## LOUISIANA

Geological Survey  
Louisiana Water Well Inventory LA001-01

Mississippi Remote Sensing Center  
HODGES GARDENS LA002-01

Office of State Planning  
Louisiana Areal Resource Information System (LARIS) LA003-01

#### MAINE

Department of Environmental Protection  
Maine Lakes Morphometric Data System ME001-01  
Maine Lakes Water Quality Data System ME001-02

#### MARYLAND

Department of Natural Resources  
Maryland Natural Heritage & Environmental Review MD002-01

Department of State Planning  
Maryland Automated Geographic Information System (MAGI) MD001-01  
Maryland Geographic Districting Information System  
(MDGIS) MD001-02  
Maryland Recreation Inventory System MD001-03

#### MASSACHUSETTS

Department of Environmental Management  
Massachusetts Heritage Program MA002-01

Department of Fisheries, Wildlife and Recreational Vehicles  
ACID MA004-01  
Massachusetts Wildlife Inventory (WINVNT) MA001-01

New England Regional Heritage Program  
New England Regional Heritage Program Data Base MA003-01

## MICHIGAN

Department of Commerce	
Local Unit Computerized Information (LUCI)	MI001-01
Department of Natural Resources	
Michigan Natural Features Inventory	MI003-01
Michigan Resource Information System	MI002-01

## MINNESOTA

Department of Natural Resources	
Minnesota Natural Heritage Program	MN005-01
Pollution Control Agency	
Ambient Air Quality Data System	MN002-01
Ambient Ground-Water Quality Monitoring Program	MN003-01
Solid Waste Facility Inventory and Monitoring System (SWFIMS)	MN004-01
State Planning Agency	
Minnesota Land Management Information Center (LMIC)	MN001-01

## MISSISSIPPI

Mississippi State Heritage Program	
Heritage Program Data Base	MS003-01
Mississippi Remote Sensing Center	
BIGBEE	MS001-08
BRIDGE	MS001-12
CHOCTAW GMA	MS001-04
CORRIDOR	MS001-11
General Climatological/Hydrologic Studies	MS001-03
LCSOILE and LCSOILW	MS001-10
LEAF RIVER GMA	MS001-05
Multivariable Data Base - Lowndes County	MS001-01
NOXUBEE	MS001-09
Pearl River	MS001-07
Soils Reference	MS001-02
Talahalla Game Management Area (CREATURE)	MS001-06
Mississippi Research & Development Center	
Mississippi Automated Resource Information System (MARIS)	MS002-01
Mississippi State Data Base	MS002-02

## MISSOURI

Department of Conservation	
Land Cover	M0001-01
Caves	M0001-02
Natural Areas	M0001-04
Rare and Endangered Species	M0001-03
Department of Natural Resources	
Missouri Natural Heritage Inventory	M0004-01
University of Missouri	
Climatological Data	M0003-01
University of Missouri - Geographic Resources Center	
PROCEDURES: A Wildlife Information System for Missouri	M0002-01

## MONTANA

Department of Commerce	
Census and Economic Information Center (CEIC)	MT002-01
Department of Health and Environmental Sciences	
Montana Water Quality Records System	MT003-01
Department of Natural Resources and Conservation	
MONTAN DAM	MT004-01
Reservoir Contents	MT005-01
Stream Flows	MT005-02
Department of State Lands	
Montana Trust Lands Inventory	MT001-01

## NEBRASKA

Bureau of Business Research	
Demographic Data	NE002-01
Natural Resources Commission	
Nebraska Natural Resources Data Bank (NNRIS)	NE001-01

## NEVADA

Department of Wildlife	
Status, Trends and Utilization of Nevada Wildlife	NV001-01

## NEW JERSEY

Delaware River Basin Commission	
Comprehensive Plan	NJ002-01
Self-Supplied Water User Inventory	NJ002-02
Department of Energy	
New Jersey Energy Data System	NJ003-01
Department of Environmental Protection	
Coastal Regulatory Data	NJ005-01
DEPFFINV and DistFw	NJ007-01
DEP Geographic Data Base	NJ010-01
Diversion Allocation Files	NJ009-02
New Jersey Pollutant Discharge Elimination System Files	NJ001-01
Public Open Space and Outdoor Recreation Facilities	NJ006-01
Shorefront Municipality Data	NJ005-02
State Forest Inventories	NJ008-01
Survey of Mining Operations in New Jersey, Past and Present	NJ004-01
Well Records	NJ009-03
Well Permits	NJ009-01

## NEW MEXICO

Department of Game and Fish	
New Mexico State Heritage Program	NM003-01
Natural Resources Department	
New Mexico Natural Resources Information System - Site Specific (NRIS)	NM001-01
Technology Application Center (TAC)	
New Mexico Natural Resources Information System - Regional Data (NRIS)	NM002-01

## NEW YORK

Adirondack Park Agency	
New York State Adirondack Park Agency Data Base	NY005-01
Department of Environmental Conservation	
Breeding Bird Atlas	NY004-01
Freshwater Wetlands Inventory	NY003-01
Significant Habitats Inventory	NY002-01
Urban Wildlife Habitat Inventory	NY001-01

## NORTH CAROLINA

Department of Agriculture	
Soil Testing Program Files	NC005-01
Department of Human Resources	
Environmental Radiation Data	NC004-01
Water Supply Analyses	NC008-01
Department of Natural and Economic Resources	
North Carolina Natural Heritage Inventory	NC003-01
Department of Natural Resources and Community Development	
Biological	NC006-03
Compliance Monitoring	NC006-01
Land Resources Information Service (LRIS)	NC007-01
Outdoor Recreation Facility Inventory	NC002-01
Phytoplankton	NC006-02
Solid and Hazardous Waste Management	
Branch Library Management Information System	NC001-01
(Branch Library MLS)	

## NORTH DAKOTA

Parks and Recreation Department	
North Dakota Natural Heritage	ND003-01
Public Service Commission	
Coal Mine Permit Data	ND002-01
State Water Commission	
Water Permit Annual Use Inventory Reports	ND001-01

## OHIO

Department of Natural Resources	
Ohio Capability Analysis Program (OCAP)	OH001-01
Ohio Natural Heritage Program	OH002-01

## OKLAHOMA

Center for Applications of Remote Sensing	
Oklahoma Geographic Information Retrieval System	
(OGIRS)	OK002-01
Climatological Survey	
Oklahoma Climatological Survey Data (OCS Data)	OK004-01

Corporation Commission	
Allocated & Unallocated Oil & Gas Production	OK006-01
Department of Agriculture	
Landsat Forest Inventory	OK005-01
Department of Tourism and Recreation	
Oklahoma Natural Heritage Program	OK008-01
Geological Survey	
Oil & Gas Field File	OK007-01
Tax Commission	
Balance File	OK001-07
Claims and Overpayments File	OK001-05
Delinquent Payments File	OK001-06
Detail File	OK001-03
Detailed Payment File	OK001-04
Lease Legal Description File	OK001-02
Well Unit Master File	OK001-01
Water Resources Board	
Oklahoma Water Use Data System	OK003-01
OREGON	
Department of Fish and Wildlife	
Elk Habitat Inventory and Mapping	OR001-01
Fish Inventory of Oregon Lakes and Streams	OR003-01
Forestry Department	
Fire Studies/Fire Report File	OR005-01
Forest Operator-Landowner Liability Law	
Administration File (FOLLAD Report)	OR006-01
Forest Resource Survey	OR002-01
Insect Damage Survey	OR007-01
OSCUR 2 Forest Inventory	OR004-01
Oregon Natural Heritage Program	
Oregon Heritage Program Data Base	OR010-01
Pacific Northwest River Basin Commission	
Recreation Resources	OR012-01
Water Resources Department	
Groundwater Sources and Aquifer Data, Observation	
Well Net	OR008-01
Streamflow Records	OR009-01
Water Rights Information System (WRIS)	OR011-01

# PENNSYLVANIA

Delaware Valley Regional Planning Commission Delaware Valley Regional Planning Commission Data Base	PA005-01
Department of Environmental Resources	
Air Quality Permit Application System	PA016-01
Directory of Mineral Industry (Non-fuel)	PA008-03
Insect and Disease Storage and Retrieval	PA002-01
Land Area Inventory	PA003-02
Minerals Storage and Retrieval System	PA003-05
Pennsylvania Abandoned Mine Lands Inventory	PA007-01
Pennsylvania Bureau of Forestry File Holdings	PA003-08
Pennsylvania Emission Data System (PEDS)	PA012-01
Pennsylvania Mineral List	PA008-02
Pennsylvania Natural Diversity Inventory (PNDI)	PA003-03
Pennsylvania Recreation Inventory	PA017-01
Permit Files	PA015-01
Picture-Rocks-Sonestown Trace Elements	PA008-01
Reading Prong	PA008-04
Solid Waste Activity Monitoring (SWAM)	PA013-01
Snowmobile Registration	PA003-07
State Park Basic Information Data System (BIDS)	PA014-01
Timber Sales Tracking	PA003-04
Timber Volume Inventory	PA003-01
Water Resources Data System	PA009-01
Water Well Inventory	PA010-01
Wood-using Industry Directory	PA003-06
Emergency Management Agency	
Integrated Flood Observing and Warning System (IFLOWS)	PA011-01
Fish Commission	
Pennsylvania Stream and Lake Inventory	PA004-01
Game Commission	
Pennsylvania Fish and Wildlife Data Base	PA001-01
Pennsylvania Institute of State and Regional Affairs (ISRA)	
Pennsylvania State Data Center (PSDC)	PA018-01
SEDA-Council of Governments	
SEDA-Council of Governments Data Base (SEDA-COG)	PA006-01



## PUERTO RICO

Department of Agriculture Puerto Rico Department of Agriculture Files	PR004-01
Department of Natural Resources Hydrological Data Bank of Puerto Rico	PR002-01
Natural, Cultural and Environmental Resources Inventory (NCERI)	PR003-01
Mississippi Remote Sensing Center Puerto Rico	PR001-01

## RHODE ISLAND

Department of Environmental Management Rhode Island Heritage Program	RI002-01
University of Rhode Island Landsat Remote Sensing Center - Geographic Information System	RI001-01

## SOUTH CAROLINA

University of South Carolina South Carolina Natural Resources Information System (SCNRIS)	SC001-01
Wildlife and Marine Resources Department South Carolina Heritage Trust	SC002-01

## SOUTH DAKOTA

Department of Game, Fish, and Parks South Dakota Natural Heritage	SD003-01
Department of Water and Natural Resources Climatological Data - Rain Gauge Network	SD001-01
Geological Survey File 28	SD002-01
Water Resources Institute WRI Data System	SD004-01

## TENNESSEE

Department of Conservation	
Tennessee Natural Heritage Area File	TN002-01
Tennessee Natural Heritage Database	TN002-02
Department of Public Health	
Water Use	TN001-01
Water Well Inventory	TN001-02
Office of Natural Resources	
TVA Regional Heritage	TN003-01

## TEXAS

Department of Water Resources	
Texas Natural Resources Information System (TNRIS)	TX001-01
Texas Natural Resources Inventory & Monitoring System (TNRIMS)	TX001-02

## UTAH

Department of Natural Resources and Energy	
Automated Geographic Reference (AGR)	UT001-01

## VERMONT

Center for Rural Studies	
Center for Rural Studies Vermont State Data Center	VT002-01
Department of Health	
Water	VT003-01
Department of Water Resources and Environmental Engineering	
Ground Water Management Section's Data Base	VT001-01

## VIRGINIA

Department of Conservation and Economic Development	
Virginia Outdoor Plan Information System (VOPLIS)	VA012-01
Department of Highways and Transportation	
Landmarks Research Data	VA010-01
Department of Taxation	
Commonwealth Data Base (CDB)	VA014-01
Virginia Large Scale Econometric Model (VLSEM)	VA013-01

State Water Control Board	
Chemical Data	VA003-01
Observation Well Levels	VA003-02
Pumpage and Use	VA003-03
Virginia Water Use Data System (VWUDS)	VA015-01
Water Data Water Well Completion Report Sub-system (WWCR Sub-system)	VA003-04
Virginia Institute of Marine Science	
Alosid File	VA001-01
Benthic Surveys	VA002-01
Current Meter Data	VA004-01
Nonpoint Source (Runoff) Data (NPS Data)	VA006-01
Oyster Spatfall Data	VA007-01
Small Fish Survey	VA008-01
Survey and Landings Data Operation (SALDO)	VA009-01
VIMS Hydrographic Data Bank (VHDB)	VA011-01
Virginia Polytechnic Institute and State University	
Spatial Data Analysis Lab Data	VA016-01
Virginia Natural Diversity Information Program	VA017-01
Virginia Water Resources Research Center	
Hydrologic Information Storage and Retrieval System (HISARS)	VA005-01

#### WASHINGTON

Department of Ecology	
Air Quality Data Handling System	WA001-03
Coastal Zone Geographic Information System (ATLAS CZGIS)	WA001-02
Pollution Sources and Monitoring Stations	WA001-05
Shoreline Management Substantial Development Permits and Variances	WA001-01
WRIS Water Right Claims, Permits, Certificates and Changes	WA001-04
Department of Fisheries	
Hydraulic Project Approval (HPA)	WA007-01
Salmon Spawning Ground Data Report	WA007-04
State Licensed Commercial Dealers and Buyers and Fishermen	WA007-02
Washington State Fisheries Statistical Report	WA007-03
Department of Game	
Non-game Wildlife Information System	WA002-01

Department of Natural Resources	
Application Information Management System (AIMS)	WA003-01
CALMA Mapping System	WA006-01
Geographic Multiple Use Analysis and Planning System (GEOMAPS)	WA004-01
LCD Element Occurrence	WA005-01

Office of Financial Management	
Demographic Data	WA008-01

#### WEST VIRGINIA

Department of Natural Resources	
Wildlife/Heritage Data Base	WV001-01

#### WISCONSIN

Department of Administration	
Wisconsin Population Estimates and Projections	WI001-01

Department of Agriculture, Trade and Consumer Protection	
Farmland Preservation Planning and Mapping	WI005-01

Department of Natural Resources	
Benchmark Inventory	WI012-01
Integrated Floodplain Repository System (IFRS)	WI003-01
Forest Crop Law Reminder System (FCL)	WI002-01
Forest Fire Report	WI004-01
General Surface Waters	WI010-01
Land Inventory of Public Lands	WI007-03
Nongame, Endangered or Threatened Vegetation and Animals	WI009-01
Public Lands - Forest Reconnaissance	WI011-01
Scientific Areas	WI009-02
Shoreland Use	WI007-02
Wetlands	WI007-01
Woodland Tax Law Reminder System	WI002-02

Geological Survey	
Current Mineral Producers	WI006-01

Southeast Regional Planning Commission	
Southeast Regional Planning Commission Data Base	WI008-01

WYOMING

Game and Fish Department  
Wildlife Observation System (WOS)

WY001-01

Wyoming Natural Heritage Program  
Wyoming Natural Heritage Program Data Base

WY002-01